

To the Mayor and Members of the City Council**June 21, 2022**

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**SUBJECT: 2022 TRANSPORTATION IMPACT FEE STUDY UPDATE**

This report provides an overview of the status of the Transportation Impact Fee Study update, preliminary transportation improvement plan estimates, and schedule for City Council adoption of the study, associated ordinance amendments, and updates to the program administrative guidelines. Texas law provides that impact fees programs be reviewed and updated at least every five years. The Transportation Impact Fee program was established in 2008. The process described below will be the city's third update and is timed to be adopted in late 2022 in keeping with the five-year cycle.

On September 21, 2021, the City Council approved a contract with Kimley-Horn and Associates, Inc., (M&C 21-0697) to prepare the 2022 Transportation Impact Fee Study (2022 Study). The project team is currently finalizing the land use assumptions and the financial calculations utilized to determine the Maximum Assessable Rate (Schedule 1). The projected Service Area Maps and the Draft Transportation Improvement Plan (TIP) are attached to this Informational Report.

Impact Fee Service Areas

Texas Local Government Code Chapter 395 sets the maximum transportation impact fee service area not to exceed six miles. With current growth and annexation patterns, the study has shown the following:

- There is land area available for many of the existing service areas to grow into before reaching the six-mile maximum.
- The study has determined the number of service areas needed if the City's water/sewer planned service area was annexed into the City.
- Service Areas L and W may become No-Fee Service Areas with this update. Both service areas are awaiting the final financial calculations as the roadways proposed in the 2017 Study have been constructed.

Transportation Improvement Plan (TIP) Cost Estimate

The Transportation Improvement Plan (TIP) is currently estimated to cost approximately \$3.15 billion, which is an approximately \$1.5 billion increase over the \$1.62 billion from the 2017 TIP. The current cost of roadway construction is based on recent thoroughfare construction bids for both developer construction bids and Capital Bond projects. In addition to recent bids, the study accounted for high-cost improvements including drainage facilities (bridges and/or large box culverts) and grade separated railroad crossings. The estimates for intersection improvements include the addition of turn lanes, current signal and pedestrian facility needs. The average cost per service area is \$144 million for roadway improvements and \$23 million for intersection improvements.

To the Mayor and Members of the City Council

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**SUBJECT: 2022 TRANSPORTATION IMPACT FEE STUDY UPDATE****Transportation Improvement Plan Cost Estimate**

Service Area	2022 Roads	2022 Intersections	2022 Study	2022 Total
A	\$98.4M	\$16.8M	\$25,550	\$115.2M
AA	\$29.2M	\$5.6M	\$25,550	\$34.8M
B	\$226.8M	\$16.8M	\$25,550	\$243.6M
C	\$178.7M	\$20.5M	\$25,550	\$199.2M
D	\$144.1M	\$29.4M	\$25,550	\$173.5M
E	\$268.9M	\$22.3M	\$25,550	\$291.2M
F	\$58.2M	\$33.9M	\$25,550	\$92.1M
G	\$108.8M	\$19.6M	\$25,550	\$128.5M
L	\$0M	\$0M	\$25,550	\$0M
M	\$203.8M	\$16.5M	\$25,550	\$220.3M
N	\$35.9M	\$38.8M	\$25,550	\$74.7M
O	\$17.6M	\$22.5M	\$25,550	\$40.1M
PI	\$18.6M	\$2.5M	\$0	\$21.1M
S	\$156.6M	\$35.3M	\$25,550	\$191.9M
T	\$30.1M	\$25.6M	\$25,550	\$55.8M
U	\$387.5M	\$19M	\$25,550	\$406.6M
V	\$34.7M	\$4M	\$25,550	\$38.8M
W	\$0M	\$0M	\$25,550	\$0M
X	\$118.4M	\$35.8M	\$25,550	\$154.2M
Y	\$250.8M	\$33.9M	\$25,550	\$284.7M
Z	\$355.9M	\$32.5M	\$25,550	\$388.4M
TOTAL	\$2.72B	\$431M	\$511,000	\$3.15B

The five highest projected costs were found in Far West Fort Worth (Service Area U - Walsh Ranch), followed by Far South Fort Worth (Service Areas Z and Y), then Far North/Far Northwest Fort Worth (Service Areas B and E).

The five lowest projected costs were Panther Island (Service Area PI), Far North Fort Worth (Service Area AA - Texas Motor Speedway), Far Southwest Fort Worth (Service Area V), East Fort Worth (Service Areas N and O) and Camp Bowie (Service Area T).

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**SUBJECT: 2022 TRANSPORTATION IMPACT FEE STUDY UPDATE****Impact Fee Maximum Assessable Rate (Schedule 1) Estimates**

As a tool for evaluating the Transportation Impact Fee Program policies, the consultants were asked to provide complete evaluations for Service Areas B and E (North Fort Worth), S (West Fort Worth) and Z (South Fort Worth) as a representative sample for the areas of Fort Worth with the most growth.

The initial findings are that the estimated maximum rate in Service Areas B, S and Z have gone up, but the maximum rate in Service Area E has gone down. While the costs have increased in Service Area E (\$291 million compared to \$107 million in 2017), the amount of undeveloped land has increased significantly, which reduces the share of the necessary improvements for growth.

The increase in West Fort Worth is due to the increase in cost (\$191 million compared to \$94 million in 2017) and the incorporation of additional land area and TIP projects west of the previous service area boundary. The significant increase in South Fort Worth is due to increases in cost related to drainage and railroad structure costs, but also the amount of land available for development within the service area.

Service Area	2017				2022		
	Max Fee Rate	SFR Max	SFR Collection Rate	Difference Per Unit	Est. Max Fee Rate	Est. SFR Max	Difference 2022 to 2017
B	\$3,316	\$16,082	\$3,750	\$12,332	\$2,825	\$16,300	\$218
E	\$3,449	\$16,730	\$3,750	\$12,980	\$2,217	\$10,220	-\$3,930
S	\$2,984	\$14,471	\$3,750	\$10,721	\$3,540	\$20,400	\$5,929
Z	3,706	\$17,975	\$3,750	\$14,225	\$4,882	\$28,100	\$10,125
Citywide Average	\$1,798	\$8,722	\$3,201	\$5,521	\$2,149	\$12,400	\$3,678

Impact Fee Collection Rate (Schedule 2) Options

Once the final Maximum Assessable Rates are provided an analysis of collection rate options will be presented as a subsequent IR in August. The council has the responsibility to set the collection rate. The Capital Improvements Advisory Committee and staff will make a recommendation for council's consideration as part of this update process.

Impact Fee Study Adoption Schedule

Texas Local Government Code Chapter 395 governs transportation impact fees and requires that the 10-year land use and growth assumptions, transportation capital improvement plan and maximum assessable fees be updated at least every five years. The 2022 land use assumptions, capital improvement plan and maximum assessable fees are required to be adopted on or before January 23, 2023. Adoption of the various pieces described above and also including ordinance updates is

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**SUBJECT: 2022 TRANSPORTATION IMPACT FEE STUDY UPDATE**

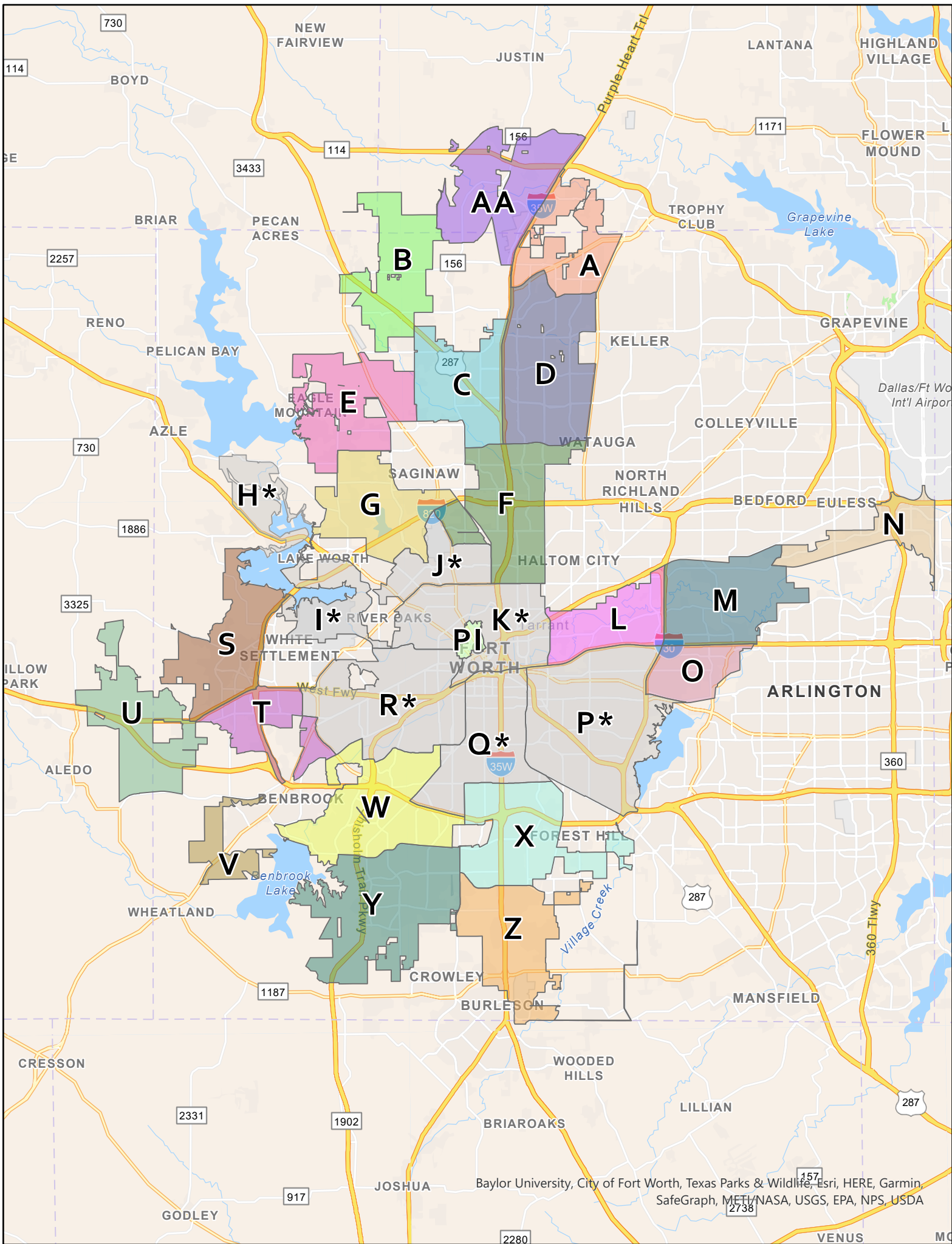
scheduled to occur at the October 25, 2022 City Council meeting. The new fees will be effective on January 1, 2023.

The 2022 Transportation Impact Fee Study Update schedule is proposed as follows:

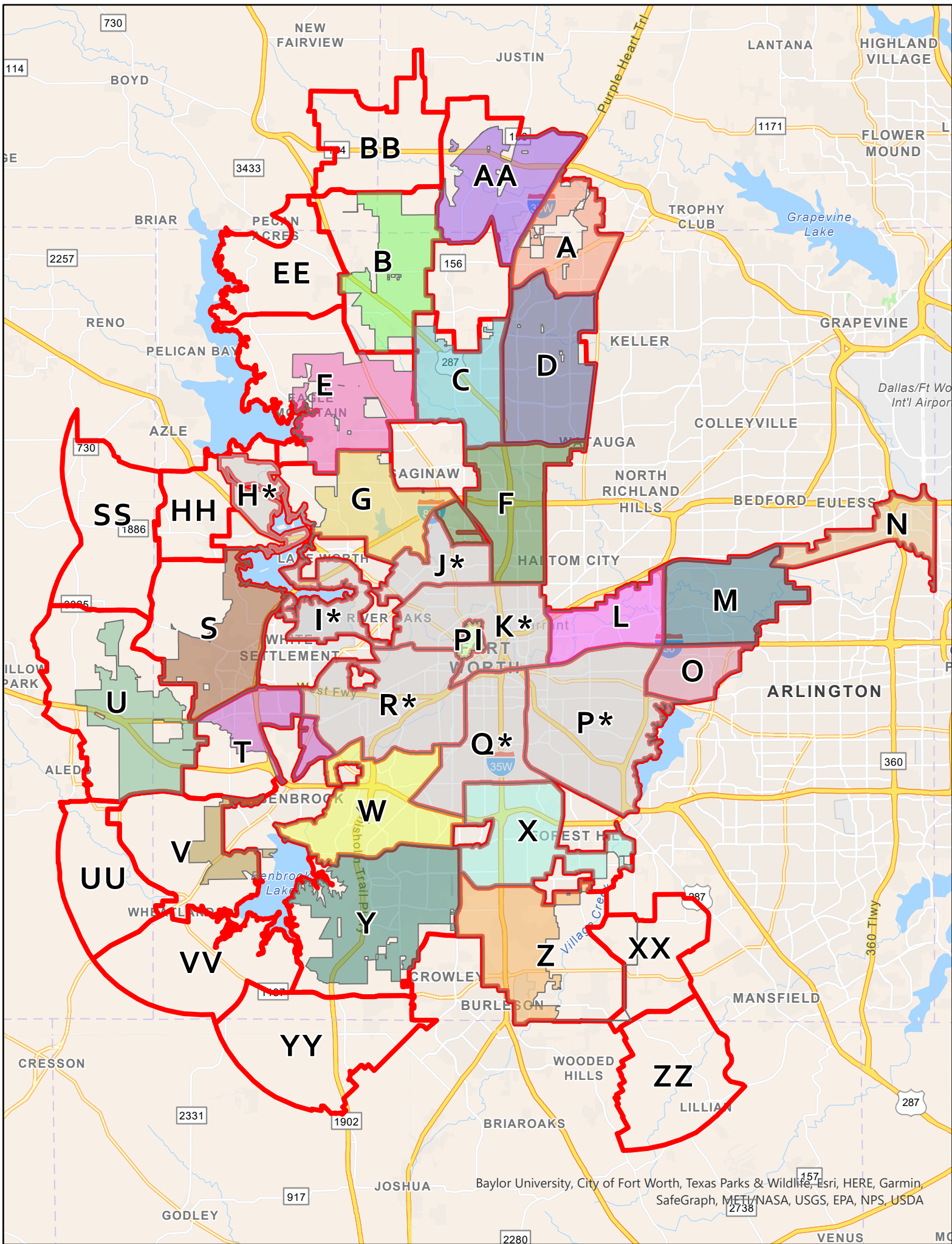
Next Steps	DAC Meeting	CIAC Meeting	City Council
Capital Improvement Advisory Committee (CIAC) Recommendation on Study and Maximum Fee	7/21/2022	7/27/2022	N/A
City Council IR on Study and Maximum Fee (Schedule 1)	N/A	N/A	8/16/2022
CIAC Recommendation on Ordinance Text Revisions and Collection Rate	8/18/2022	8/24/2022	
Council to Set Public Hearing			8/23/2022
City Council presentation by staff on Collection Rate (Schedule 2)			9/20/2022
Council Public Hearing			9/27/2022
Council Adoption of Study, Maximum Fee (Schedule 1), and Ordinance			10/25/2022
Council Adoption of Collection Rate (Schedule 2)			11/8/2022
Collection Rate Effective Date	January 1, 2023		

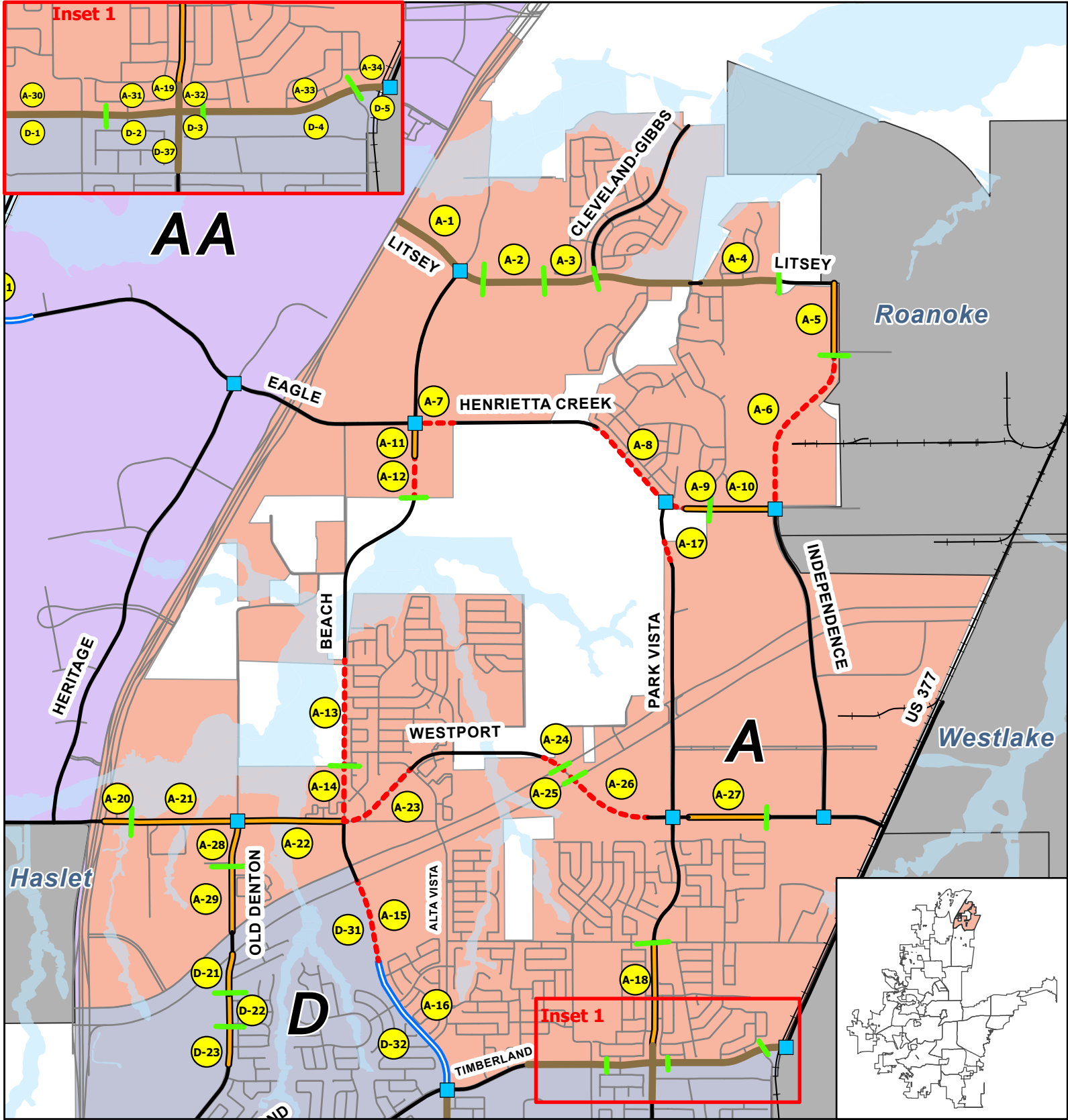
For any questions on this report, please contact D.J. Harrell, Development Services Director, at 817-392-8032 or Dalton.Harrell@fortworthtexas.gov.

David Cooke
City Manager



Baylor University, City of Fort Worth, Texas Parks & Wildlife, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA



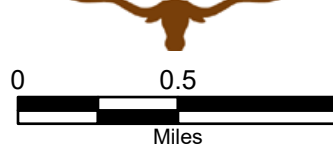


Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA A)

FORT WORTH



May 2022

Transportation Improvements Plan



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area A

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
A-1	CCO-L2-T0-TWLT-P0-BOP (110)	Litsey (1)	IH-35W to 2620' E of IH-35W	Recent	100%	\$ 1,947,136	\$ 1,947,136
A-2	CCO-L2-T0-TWLT-P0-BOP (110)	Litsey (2)	2620' E of IH-35W to 1300' W of Cleveland Gibbs	Recent	100%	\$ 1,064,744	\$ 1,064,744
A-3	NCO-L2-T0-TWLT-P0-BOP (110)	Litsey (3)	1300' W of Cleveland Gibbs to Cleveland Gibbs	Recent	100%	\$ 964,844	\$ 964,844
A-4	NCO-L2-T0-NTMS-P0-BOP (110)	Litsey (4)	Cleveland Gibbs to 875' E of Bluffdale	Previous	100%	\$ 3,264,432	\$ 3,264,432
A-5	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Independence (1)	Litsey to Republic	Widening	100%	\$ 2,272,000	\$ 2,272,000
A-6	CCO-L2-T0-TWLT-P0-BOP (110)	Independence (2)	Republic to Henrietta Creek	New	100%	\$ 12,214,000	\$ 12,214,000
A-7	CCO-L2-T0-NTMS-P0-BOP (110)	Henrietta Creek (1)	Beach to 955' E of Beach	New	100%	\$ 2,508,000	\$ 2,508,000
A-8	CCO-L2-T0-TWLT-P0-BOP (110)	Henrietta Creek (2)	2740' W of Park Vista to 330' E of Park Vista	New	50%	\$ 8,700,000	\$ 4,350,000
A-9	CCO-L2-T0-TWLT-P0-BOP (110)	Henrietta Creek (3)	Seventeen Lakes to 90' W of Seventeen Lakes	Widening	50%	\$ 1,463,000	\$ 731,500
A-10	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Henrietta Creek (4)	90' W of Seventeen Lakes to Independence	Widening	100%	\$ 2,087,000	\$ 2,087,000
A-11	CCO-L2-T0-NTMS-P0-BLC (110) (1/2)	Beach (1)	Eagle to 800' S of Eagle	Widening	100%	\$ 1,092,000	\$ 1,092,000
A-12	CCO-L2-T0-NTMS-P0-BLC (110)	Beach (2)	800' S of Eagle to 1830' S of Eagle	New	100%	\$ 2,900,000	\$ 2,900,000
A-13	CCO-L2-T0-NTMS-P0-BLC (110)	Beach (3)	3968' N of Westport to 1350' N of Westport	New	50%	\$ 7,363,000	\$ 3,681,500
A-14	CCO-L2-T0-NTMS-P0-BLC (110)	Beach (4)	1350' N of Westport to Westport	New	100%	\$ 3,801,000	\$ 3,801,000
A-15, D-29	CCO-L3-T0-NTMS-P0-BLB (130) (W)	Beach (5)	SH 170 EBFR to 2045' S of SH 170 EBFR	New	50%	\$ 6,329,000	\$ 3,164,500
A-16, D-30	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	Beach (6)	410' N of Saratoga Downs to Timberland	Median	50%	\$ 2,654,000	\$ 1,327,000
A-17	NCO-L1-T0-TWLT-P0-BOP (80)	Park Vista (1)	995' S of Henrietta Creek to 1480' S of Henrietta Creek	New	100%	\$ 931,000	\$ 931,000
A-18	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Park Vista (2)	Keller Haslet to 415' N of Timberland	Widening	100%	\$ 3,161,000	\$ 3,161,000
A-19	NCO-L2-T0-NTMS-P0-BOP (110)	Park Vista (3)	415' N of Timberland to Timberland	Previous	100%	\$ 1,701,548	\$ 1,701,548
A-20	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Westport (1)	IH-35W NBFR to 640' E of IH-35W NBFR	Widening	100%	\$ 1,208,000	\$ 1,208,000
A-21	CCO-L2-T0-NTMS-P0-BOP (110)	Westport (2)	640' E of IH-35W NBFR to Old Denton	Widening	100%	\$ 6,435,000	\$ 6,435,000
A-22	CCO-L2-T0-TWLT-P0-BOP (110)	Westport (3)	Old Denton to Beach	Widening	100%	\$ 7,786,000	\$ 7,786,000
A-23	CCO-L2-T0-TWLT-P0-BOP (110)	Westport (4)	Beach to Alta Vista	New	100%	\$ 6,122,000	\$ 6,122,000
A-24	CCO-L2-T0-TWLT-P0-BOP (110)	Westport (5)	495' W of Alliance Gateway to Alliance Gateway	New	100%	\$ 1,403,000	\$ 1,403,000
A-25	CCO-L2-T0-TWLT-P0-BOP (110)	Westport (6)	N Alliance Gateway to S Alliance Gateway	New	100%	\$ 1,220,000	\$ 1,220,000
A-26	CCO-L2-T0-TWLT-P0-BOP (110)	Westport (7)	Alliance Gateway to 625' W of Park Vista	New	100%	\$ 5,966,000	\$ 5,966,000
A-27	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Westport (8)	400' E of Park Vista to 1370' W of Independence	Widening	100%	\$ 2,470,000	\$ 2,470,000
A-28	CCO-L2-T0-NTMS-P0-BOP (110)	Old Denton (1)	Westport to 1095' S of Westport	Widening	100%	\$ 2,675,000	\$ 2,675,000
A-29	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Old Denton (2)	1095' S of Westport to Alliance Gateway	Widening	100%	\$ 2,093,000	\$ 2,093,000
A-30, D-1	NCO-L2-T0-TWLT-P0-BOP (110)	Timberland (1)	485 E of Lilybrook to N Caylor	Recent	50%	\$ 4,550,544	\$ 2,275,272
A-31, D-2	NCO-L2-T0-TWLT-P0-BOP (110)	Timberland (2)	375' E of N Caylor to Park Vista	Previous	50%	\$ 1,997,466	\$ 998,733
A-32, D-3	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (3)	Park Vista to 355' E of Park Vista	Previous	50%	\$ 623,063	\$ 311,532
A-33, D-4	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (4)	355' E of Park Vista to 425' E of Harvest Oaks	Recent	50%	\$ 7,088,018	\$ 3,544,009
A-34, D-5	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (5)	425' E of Harvest Oaks to US 377	Recent	50%	\$ 1,499,435	\$ 749,718
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Beach	Timberland	Rebuild	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	US 377	Timberland	Rebuild	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Eagle	Beach	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Henrietta Creek	Independence	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Henrietta Creek	Park Vista	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Litsey	Beach	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Westport	Independence	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Westport	Old Denton	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Westport	Park Vista	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

- These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-1
Name:	Litsey (1)	This project consists of the previously completed five-lane undivided section commercial connector as part of the 2014 Bond Program. The City contributed \$3,976,726 overall to this project (A-1, A-2, and A-3). This segment accounts for 49% (\$1,947,136) of the overall project.		
Limits:	IH-35W to 2620' E of IH-35W			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	2,620			
Service Area(s):	A			
Impact Fee Project Cost TOTAL:			\$	1,947,136

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-2
Name:	Litsey (2)	This project consists of the previously completed five-lane undivided section commercial connector as part of the 2014 Bond Program. The City contributed \$3,976,726 overall to this project (A-1, A-2, and A-3). This segment accounts for 27% (\$1,064,744) of the overall project.		
Limits:	2620' E of IH-35W to 1300' W of Cleveland Gibbs			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	1,435			
Service Area(s):	A			
Impact Fee Project Cost TOTAL:			\$	1,064,744

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-3
Name:	Litsey (3)	This project consists of the previously completed five-lane undivided section commercial connector as part of the 2014 Bond Program. The City contributed \$3,976,726 overall to this project (A-1, A-2, and A-3). This segment accounts for 24% (\$964,844) of the overall project.		
Limits:	1300' W of Cleveland Gibbs to Cleveland Gibbs			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,300			
Service Area(s):	A			
Impact Fee Project Cost TOTAL:			\$	964,844

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-4
Name:	Litsey (4)	This project consists of the previously completed four-lane divided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$3,264,432 to this project.		
Limits:	Cleveland Gibbs to 875' E of Bluffdale			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,245			
Service Area(s):	A			
Impact Fee Project Cost TOTAL:			\$	3,264,432

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-5	
Name:	Independence (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided commercial connector.			
Limits:	Litsey to Republic				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,780				
Service Area(s):	A				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,670	cy	\$ 38.00	\$ 101,460
224	6" Lime Stabilization (with Lime @ 32#/sy)	5,142	sy	\$ 8.00	\$ 41,138
324	11" Concrete Pavement	4,747	sy	\$ 120.00	\$ 569,600
424	6" Curb and Gutter	3,560	lf	\$ 15.00	\$ 53,400
524	4" Topsoil	4,153	sy	\$ 5.00	\$ 20,767
624	10' Concrete Sidewalk	17,800	sf	\$ 10.00	\$ 178,000
722	Auxiliary Lanes and Median Openings Allotment	715	sf	\$ 128.00	\$ 91,481
Paving Construction Cost Subtotal:					\$ 1,055,846
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	31,675
✓	Traffic Control		3%	\$	31,675
✓	Pavement Markings/Markers		2%	\$	21,117
✓	Roadway Drainage	Standard Internal System	20%	\$	211,169
✓	Illumination		3%	\$	28,040
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	73,909
✓	Establish Turf / Erosion Control		1%	\$	10,558
✓	Basic Landscaping		2%	\$	21,117
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 429,262
Paving and Allowance Subtotal:					\$ 1,485,107
Construction Contingency:					15% \$ 222,766
Construction Cost TOTAL:					\$ 1,708,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,708,000
Engineering/Survey/Testing:		18%	\$ 307,440
Mobilization		5%	\$ 85,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 170,800
Impact Fee Project Cost TOTAL:			\$ 2,272,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-6
Name:	Independence (2)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Republic to Henrietta Creek			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	4,310			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	14,606	cy	\$ 38.00	\$ 555,032
225	6" Lime Stabilization (with Lime @ 32#/sy)	28,733	sy	\$ 8.00	\$ 229,867
325	11" Concrete Pavement	27,776	sy	\$ 120.00	\$ 3,333,067
425	6" Curb and Gutter	8,620	lf	\$ 15.00	\$ 129,300
525	4" Topsoil	15,324	sy	\$ 5.00	\$ 76,622
625	10' Concrete Sidewalk	86,200	sf	\$ 10.00	\$ 862,000
723	Auxiliary Lanes and Median Openings Allotment	735	sf	\$ 128.00	\$ 94,036
Paving Construction Cost Subtotal:					\$ 5,279,924
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 158,398
✓	Traffic Control			3%	\$ 158,398
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 105,598
✓	Roadway Drainage			20%	\$ 1,055,985
✓	Illumination			3%	\$ 140,221
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 369,595
✓	Establish Turf / Erosion Control			1%	\$ 52,799
✓	Basic Landscaping			2%	\$ 105,598
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,146,592
Paving and Allowance Subtotal:					\$ 7,426,516
Construction Contingency:					15% \$ 1,113,977
Construction Cost TOTAL:					\$ 8,541,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,541,000
Engineering/Survey/Testing:		18%	\$ 1,537,380
Mobilization		5%	\$ 427,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,708,200
Impact Fee Project Cost TOTAL:			\$ 12,214,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-7
Name:	Henrietta Creek (1)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Beach to 955' E of Beach			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	955			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,865	cy	\$ 38.00	\$ 108,870
223	6" Lime Stabilization (with Lime @ 32#/sy)	5,518	sy	\$ 8.00	\$ 44,142
323	11" Concrete Pavement	5,093	sy	\$ 120.00	\$ 611,200
423	6" Curb and Gutter	3,820	lf	\$ 15.00	\$ 57,300
523	4" Topsoil	4,457	sy	\$ 5.00	\$ 22,283
623	10' Concrete Sidewalk	19,100	sf	\$ 10.00	\$ 191,000
721	Auxiliary Lanes and Median Openings Allotment	383	sf	\$ 128.00	\$ 49,081
Paving Construction Cost Subtotal:					\$ 1,083,877
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 32,516
✓	Traffic Control			3%	\$ 32,516
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 21,678
✓	Roadway Drainage			20%	\$ 216,775
✓	Illumination			3%	\$ 28,785
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 75,871
✓	Establish Turf / Erosion Control			1%	\$ 10,839
✓	Basic Landscaping			2%	\$ 21,678
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 440,658
Paving and Allowance Subtotal:					\$ 1,524,535
Construction Contingency:					15% \$ 228,680
Construction Cost TOTAL:					\$ 1,754,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,754,000
Engineering/Survey/Testing:		18%	\$ 315,720
Mobilization		5%	\$ 87,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 350,800
Impact Fee Project Cost TOTAL:			\$ 2,508,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-8
Name:	Henrietta Creek (2)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	2740' W of Park Vista to 330' E of Park Vista			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	3,070			
Service Area(s):	A, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	10,404	cy	\$ 38.00	\$ 395,348
225	6" Lime Stabilization (with Lime @ 32#/sy)	20,467	sy	\$ 8.00	\$ 163,733
325	11" Concrete Pavement	19,784	sy	\$ 120.00	\$ 2,374,133
425	6" Curb and Gutter	6,140	lf	\$ 15.00	\$ 92,100
525	4" Topsoil	10,916	sy	\$ 5.00	\$ 54,578
625	10' Concrete Sidewalk	61,400	sf	\$ 10.00	\$ 614,000
723	Auxiliary Lanes and Median Openings Allotment	523	sf	\$ 128.00	\$ 66,982
Paving Construction Cost Subtotal:					\$ 3,760,874
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	112,826
✓	Traffic Control	None Anticipated	3%	\$	112,826
✓	Pavement Markings/Markers		2%	\$	75,217
✓	Roadway Drainage	Standard Internal System	20%	\$	752,175
✓	Illumination		3%	\$	99,879
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	263,261
✓	Establish Turf / Erosion Control		1%	\$	37,609
✓	Basic Landscaping		2%	\$	75,217
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,529,011
Paving and Allowance Subtotal:					\$ 5,289,885
Construction Contingency:					15% \$ 793,483
Construction Cost TOTAL:					\$ 6,084,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,084,000
Engineering/Survey/Testing:		18%	\$ 1,095,120
Mobilization		5%	\$ 304,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,216,800
Impact Fee Project Cost TOTAL:			\$ 8,700,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-9
Name:	Henrietta Creek (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	Seventeen Lakes to 90' W of Seventeen Lakes			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	555			
Service Area(s):	A, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	1,881	cy	\$ 38.00	\$ 71,472
225	6" Lime Stabilization (with Lime @ 32#/sy)	3,700	sy	\$ 8.00	\$ 29,600
325	11" Concrete Pavement	3,577	sy	\$ 120.00	\$ 429,200
425	6" Curb and Gutter	1,110	lf	\$ 15.00	\$ 16,650
525	4" Topsoil	1,973	sy	\$ 5.00	\$ 9,867
625	10' Concrete Sidewalk	11,100	sf	\$ 10.00	\$ 111,000
723	Auxiliary Lanes and Median Openings Allotment	95	sf	\$ 128.00	\$ 12,109
Paving Construction Cost Subtotal:					\$ 679,897
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 20,397
✓	Traffic Control			3%	\$ 20,397
✓	Pavement Markings/Markers			2%	\$ 13,598
✓	Roadway Drainage	Standard Internal System		20%	\$ 135,979
✓	Illumination			3%	\$ 18,056
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 47,593
✓	Establish Turf / Erosion Control			1%	\$ 6,799
✓	Basic Landscaping			2%	\$ 13,598
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 276,417
Paving and Allowance Subtotal:					\$ 956,315
Construction Contingency:					15% \$ 143,447
Construction Cost TOTAL:					\$ 1,100,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,100,000
Engineering/Survey/Testing:		18%	\$ 198,000
Mobilization		5%	\$ 55,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 110,000
Impact Fee Project Cost TOTAL:			\$ 1,463,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-10
Name:	Henrietta Creek (4)	This project consists of the construction of the westbound lanes to complete the four-lane divided commercial connector.		
Limits:	90' W of Seventeen Lakes to Independence			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,635			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,453	cy	\$ 38.00	\$ 93,195
224	6" Lime Stabilization (with Lime @ 32#/sy)	4,723	sy	\$ 8.00	\$ 37,787
324	11" Concrete Pavement	4,360	sy	\$ 120.00	\$ 523,200
424	6" Curb and Gutter	3,270	lf	\$ 15.00	\$ 49,050
524	4" Topsoil	3,815	sy	\$ 5.00	\$ 19,075
624	10' Concrete Sidewalk	16,350	sf	\$ 10.00	\$ 163,500
722	Auxiliary Lanes and Median Openings Allotment	656	sf	\$ 128.00	\$ 84,029
Paving Construction Cost Subtotal:					\$ 969,836
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,095
✓	Traffic Control			3%	\$ 29,095
✓	Pavement Markings/Markers			2%	\$ 19,397
✓	Roadway Drainage	Standard Internal System		20%	\$ 193,967
✓	Illumination			3%	\$ 25,756
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 67,889
✓	Establish Turf / Erosion Control			1%	\$ 9,698
✓	Basic Landscaping			2%	\$ 19,397
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 394,294
Paving and Allowance Subtotal:					\$ 1,364,130
Construction Contingency:					15% \$ 204,619
Construction Cost TOTAL:					\$ 1,569,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,569,000
Engineering/Survey/Testing:		18%	\$ 282,420
Mobilization		5%	\$ 78,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 156,900
Impact Fee Project Cost TOTAL:			\$ 2,087,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-11
Name:	Beach (1)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	Eagle to 800' S of Eagle			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	800			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
122	Unclassified Street Excavation	1,422	cy	\$ 38.00	\$ 54,044
222	6" Lime Stabilization (with Lime @ 32#/sy)	2,756	sy	\$ 8.00	\$ 22,044
322	11" Concrete Pavement	2,578	sy	\$ 120.00	\$ 309,333
422	6" Curb and Gutter	1,600	lf	\$ 15.00	\$ 24,000
522	4" Topsoil	1,778	sy	\$ 5.00	\$ 8,889
622	6' Concrete Sidewalk	4,800	sf	\$ 10.00	\$ 48,000
720	Auxiliary Lanes and Median Openings Allotment	321	sf	\$ 128.00	\$ 41,115
Paving Construction Cost Subtotal:					\$ 507,426
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 15,223
✓	Traffic Control			3%	\$ 15,223
✓	Pavement Markings/Markers			2%	\$ 10,149
✓	Roadway Drainage	Standard Internal System		20%	\$ 101,485
✓	Illumination			3%	\$ 13,476
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 35,520
✓	Establish Turf / Erosion Control			1%	\$ 5,074
✓	Basic Landscaping			2%	\$ 10,149
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 206,298
Paving and Allowance Subtotal:					\$ 713,724
Construction Contingency:					15% \$ 107,059
Construction Cost TOTAL:					\$ 821,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 821,000
Engineering/Survey/Testing:		18%	\$ 147,780
Mobilization		5%	\$ 41,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 82,100
Impact Fee Project Cost TOTAL:			\$ 1,092,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-12
Name:	Beach (2)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	800' S of Eagle to 1830' S of Eagle			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,030			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	3,662	cy	\$ 38.00	\$ 139,164
221	6" Lime Stabilization (with Lime @ 32#/sy)	7,096	sy	\$ 8.00	\$ 56,764
321	11" Concrete Pavement	6,638	sy	\$ 120.00	\$ 796,533
421	6" Curb and Gutter	4,120	lf	\$ 15.00	\$ 61,800
521	4" Topsoil	4,578	sy	\$ 5.00	\$ 22,889
621	6' Concrete Sidewalk	12,360	sf	\$ 10.00	\$ 123,600
719	Auxiliary Lanes and Median Openings Allotment	414	sf	\$ 128.00	\$ 52,936
Paving Construction Cost Subtotal:					\$ 1,253,687
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 37,611
✓	Traffic Control			3%	\$ 37,611
✓	Pavement Markings/Markers			2%	\$ 25,074
✓	Roadway Drainage	Standard Internal System		20%	\$ 250,737
✓	Illumination			3%	\$ 33,295
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 87,758
✓	Establish Turf / Erosion Control			1%	\$ 12,537
✓	Basic Landscaping			2%	\$ 25,074
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 509,696
Paving and Allowance Subtotal:					\$ 1,763,382
Construction Contingency:					15% \$ 264,507
Construction Cost TOTAL:					\$ 2,028,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,028,000
Engineering/Survey/Testing:		18%	\$ 365,040
Mobilization		5%	\$ 101,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 405,600
Impact Fee Project Cost TOTAL:			\$ 2,900,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-13
Name:	Beach (3)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	3968' N of Westport to 1350' N of Westport			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	2,615			
Service Area(s):	A, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	9,298	cy	\$ 38.00	\$ 353,316
221	6" Lime Stabilization (with Lime @ 32#/sy)	18,014	sy	\$ 8.00	\$ 144,116
321	11" Concrete Pavement	16,852	sy	\$ 120.00	\$ 2,022,267
421	6" Curb and Gutter	10,460	lf	\$ 15.00	\$ 156,900
521	4" Topsoil	11,622	sy	\$ 5.00	\$ 58,111
621	6' Concrete Sidewalk	31,380	sf	\$ 10.00	\$ 313,800
719	Auxiliary Lanes and Median Openings Allotment	1,050	sf	\$ 128.00	\$ 134,395
Paving Construction Cost Subtotal:					\$ 3,182,904
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 95,487
✓	Traffic Control			3%	\$ 95,487
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 63,658
✓	Roadway Drainage			20%	\$ 636,581
✓	Illumination			3%	\$ 84,529
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 222,803
✓	Establish Turf / Erosion Control			1%	\$ 31,829
✓	Basic Landscaping			2%	\$ 63,658
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,294,033
Paving and Allowance Subtotal:					\$ 4,476,937
Construction Contingency:					15% \$ 671,541
Construction Cost TOTAL:					\$ 5,149,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,149,000
Engineering/Survey/Testing:		18%	\$ 926,820
Mobilization		5%	\$ 257,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,029,800
Impact Fee Project Cost TOTAL:			\$ 7,363,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-14	
Name:	Beach (4)	This project consists of the construction of a new four-lane divided commercial connector.			
Limits:	1350' N of Westport to Westport				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,350				
Service Area(s):	A				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	4,800	cy	\$ 38.00	\$ 182,400
221	6" Lime Stabilization (with Lime @ 32#/sy)	9,300	sy	\$ 8.00	\$ 74,400
321	11" Concrete Pavement	8,700	sy	\$ 120.00	\$ 1,044,000
421	6" Curb and Gutter	5,400	lf	\$ 15.00	\$ 81,000
521	4" Topsoil	6,000	sy	\$ 5.00	\$ 30,000
621	6' Concrete Sidewalk	16,200	sf	\$ 10.00	\$ 162,000
719	Auxiliary Lanes and Median Openings Allotment	542	sf	\$ 128.00	\$ 69,382
Paving Construction Cost Subtotal:					\$ 1,643,182
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 49,295
✓	Traffic Control	None Anticipated		3%	\$ 49,295
✓	Pavement Markings/Markers			2%	\$ 32,864
✓	Roadway Drainage	Standard Internal System		20%	\$ 328,636
✓	Illumination			3%	\$ 43,639
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 115,023
✓	Establish Turf / Erosion Control			1%	\$ 16,432
✓	Basic Landscaping			2%	\$ 32,864
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 668,048
Paving and Allowance Subtotal:					\$ 2,311,229
Construction Contingency:					15% \$ 346,684
Construction Cost TOTAL:					\$ 2,658,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,658,000
Engineering/Survey/Testing:		18%	\$ 478,440
Mobilization		5%	\$ 132,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 531,600
Impact Fee Project Cost TOTAL:			\$ 3,801,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No. A-15, D-29
Name:	Beach (5)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.	
Limits:	SH 170 EBFR to 2045' S of SH 170 EBFR		
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)		
Ultimate Class:	6 Lane Divided Commercial Connector		
Length (lf):	2,045		
Service Area(s):	A, D		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	10,225	cy	\$ 38.00	\$ 388,550
203	6" Lime Stabilization (with Lime @ 32#/sy)	14,997	sy	\$ 8.00	\$ 119,973
303	11" Concrete Pavement	14,088	sy	\$ 120.00	\$ 1,690,533
403	6" Curb and Gutter	8,180	lf	\$ 15.00	\$ 122,700
503	4" Topsoil	12,724	sy	\$ 5.00	\$ 63,622
603	6' Concrete Sidewalk	24,540	sf	\$ 10.00	\$ 245,400
701	Auxiliary Lanes and Median Openings Allotment	821	sf	\$ 128.00	\$ 105,101
Paving Construction Cost Subtotal:					\$ 2,735,879
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 82,076
✓	Traffic Control			3%	\$ 82,076
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 54,718
✓	Roadway Drainage			20%	\$ 547,176
✓	Illumination			3%	\$ 72,658
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 191,512
✓	Establish Turf / Erosion Control			1%	\$ 27,359
✓	Basic Landscaping			2%	\$ 54,718
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,112,292
Paving and Allowance Subtotal:					\$ 3,848,171
Construction Contingency:					15% \$ 577,226
Construction Cost TOTAL:					\$ 4,426,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,426,000
Engineering/Survey/Testing:		18%	\$ 796,680
Mobilization		5%	\$ 221,300
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 885,200
Impact Fee Project Cost TOTAL:			\$ 6,329,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No. A-16, D-30
Name:	Beach (6)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.	
Limits:	410' N of Saratoga Downs to Timberland		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (lf):	3,695		
Service Area(s):	A, D		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	5,337	cy	\$ 38.00	\$ 202,814
210	6" Lime Stabilization (with Lime @ 32#/sy)	10,264	sy	\$ 8.00	\$ 82,111
310	11" Concrete Pavement	9,443	sy	\$ 120.00	\$ 1,133,133
410	6" Curb and Gutter	7,390	lf	\$ 15.00	\$ 110,850
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	1,260	sf	\$ 128.00	\$ 161,236
Paving Construction Cost Subtotal:					\$ 1,690,145
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 50,704
✓	Traffic Control			3%	\$ 50,704
✓	Pavement Markings/Markers			2%	\$ 33,803
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 16,901
✓	Basic Landscaping			2%	\$ 33,803
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 185,916
Paving and Allowance Subtotal:					\$ 1,876,061
Construction Contingency:					15% \$ 281,409
Construction Cost TOTAL:					\$ 2,158,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,158,000
Engineering/Survey/Testing:		18%	\$ 388,440
Mobilization		5%	\$ 107,900
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 2,654,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-17	
Name:	Park Vista (1)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	995' S of Henrietta Creek to 1480' S of Henrietta Creek				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	485				
Service Area(s):	A				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	997	cy	\$ 38.00	\$ 37,884
241	6" Lime Stabilization (with Lime @ 32#/sy)	1,940	sy	\$ 8.00	\$ 15,520
341	11" Concrete Pavement	1,832	sy	\$ 120.00	\$ 219,867
441	6" Curb and Gutter	970	lf	\$ 15.00	\$ 14,550
541	4" Topsoil	1,401	sy	\$ 5.00	\$ 7,006
641	10' Concrete Sidewalk	9,700	sf	\$ 10.00	\$ 97,000
739	Auxiliary Lanes and Median Openings Allotment	83	sf	\$ 128.00	\$ 10,582
Paving Construction Cost Subtotal:					\$ 402,408
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	12,072
✓	Traffic Control		3%	\$	12,072
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	8,048
✓	Roadway Drainage		20%	\$	80,482
✓	Illumination		3%	\$	10,687
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	28,169
✓	Establish Turf / Erosion Control		1%	\$	4,024
✓	Basic Landscaping		2%	\$	8,048
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 163,602
Paving and Allowance Subtotal:					\$ 566,010
Construction Contingency:					15% \$ 84,901
Construction Cost TOTAL:					\$ 651,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 651,000
Engineering/Survey/Testing:		18%	\$ 117,180
Mobilization		5%	\$ 32,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 130,200
Impact Fee Project Cost TOTAL:			\$ 931,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-18
Name:	Park Vista (2)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Keller Haslet to 415' N of Timberland			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,545			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,676	cy	\$ 38.00	\$ 139,692
231	6" Lime Stabilization (with Lime @ 32#/sy)	7,069	sy	\$ 8.00	\$ 56,556
331	11" Concrete Pavement	6,504	sy	\$ 120.00	\$ 780,467
431	6" Curb and Gutter	5,090	lf	\$ 15.00	\$ 76,350
531	4" Topsoil	6,221	sy	\$ 5.00	\$ 31,106
631	10' Concrete Sidewalk	25,450	sf	\$ 10.00	\$ 254,500
729	Auxiliary Lanes and Median Openings Allotment	1,022	sf	\$ 128.00	\$ 130,798
Paving Construction Cost Subtotal:					\$ 1,469,468
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 44,084
✓	Traffic Control			3%	\$ 44,084
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 29,389
✓	Roadway Drainage			20%	\$ 293,894
✓	Illumination	None Anticipated		3%	\$ 39,025
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 102,863
✓	Establish Turf / Erosion Control			1%	\$ 14,695
✓	Basic Landscaping			2%	\$ 29,389
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 597,423
Paving and Allowance Subtotal:					\$ 2,066,890
Construction Contingency:					15% \$ 310,034
Construction Cost TOTAL:					\$ 2,377,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,377,000
Engineering/Survey/Testing:		18%	\$ 427,860
Mobilization		5%	\$ 118,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 237,700
Impact Fee Project Cost TOTAL:			\$ 3,161,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-19
Name:	Park Vista (3)	This project consists of the previously completed four-lane divided section neighborhood connector. The City contributed \$1,701,548 to this project.		
Limits:	415' N of Timberland to Timberland			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	415			
Service Area(s):	A			
Impact Fee Project Cost TOTAL:			\$	1,701,548

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-20
Name:	Westport (1)	This project consists of the construction of the westbound lanes to complete the four-lane divided commercial connector.		
Limits:	IH-35W NBFR to 640' E of IH-35W NBFR			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	640			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	960	cy	\$ 38.00	\$ 36,480
224	6" Lime Stabilization (with Lime @ 32#/sy)	1,849	sy	\$ 8.00	\$ 14,791
324	11" Concrete Pavement	1,707	sy	\$ 120.00	\$ 204,800
424	6" Curb and Gutter	1,280	lf	\$ 15.00	\$ 19,200
524	4" Topsoil	1,493	sy	\$ 5.00	\$ 7,467
624	10' Concrete Sidewalk	6,400	sf	\$ 10.00	\$ 64,000
722	Auxiliary Lanes and Median Openings Allotment	257	sf	\$ 128.00	\$ 32,892
Paving Construction Cost Subtotal:					\$ 379,630
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 11,389
✓	Traffic Control			3%	\$ 11,389
✓	Pavement Markings/Markers			2%	\$ 7,593
✓	Roadway Drainage	Standard Internal System		20%	\$ 75,926
✓	Illumination			3%	\$ 10,082
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 255,000	\$ 255,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 26,574
✓	Establish Turf / Erosion Control			1%	\$ 3,796
✓	Basic Landscaping			2%	\$ 7,593
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 409,341
Paving and Allowance Subtotal:					\$ 788,971
Construction Contingency:					15% \$ 118,346
Construction Cost TOTAL:					\$ 908,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 908,000
Engineering/Survey/Testing:		18%	\$ 163,440
Mobilization		5%	\$ 45,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 90,800
Impact Fee Project Cost TOTAL:			\$ 1,208,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-21
Name:	Westport (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	640' E of IH-35W NBFR to Old Denton			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	2,635			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	7,905	cy	\$ 38.00	\$ 300,390
223	6" Lime Stabilization (with Lime @ 32#/sy)	15,224	sy	\$ 8.00	\$ 121,796
323	11" Concrete Pavement	14,053	sy	\$ 120.00	\$ 1,686,400
423	6" Curb and Gutter	10,540	lf	\$ 15.00	\$ 158,100
523	4" Topsoil	12,297	sy	\$ 5.00	\$ 61,483
623	10' Concrete Sidewalk	52,700	sf	\$ 10.00	\$ 527,000
721	Auxiliary Lanes and Median Openings Allotment	1,058	sf	\$ 128.00	\$ 135,423
Paving Construction Cost Subtotal:					\$ 2,990,592
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 89,718
✓	Traffic Control			3%	\$ 89,718
✓	Pavement Markings/Markers			2%	\$ 59,812
✓	Roadway Drainage	Standard Internal System		20%	\$ 598,118
✓	Illumination			3%	\$ 79,422
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 209,341
✓	Establish Turf / Erosion Control			1%	\$ 29,906
✓	Basic Landscaping			2%	\$ 59,812
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,215,847
Paving and Allowance Subtotal:					\$ 4,206,439
Construction Contingency:					15% \$ 630,966
Construction Cost TOTAL:					\$ 4,838,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,838,000
Engineering/Survey/Testing:		18%	\$ 870,840
Mobilization		5%	\$ 241,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 483,800
Impact Fee Project Cost TOTAL:			\$ 6,435,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-22
Name:	Westport (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	Old Denton to Beach			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	2,610			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	8,845	cy	\$ 38.00	\$ 336,110
225	6" Lime Stabilization (with Lime @ 32#/sy)	17,400	sy	\$ 8.00	\$ 139,200
325	11" Concrete Pavement	16,820	sy	\$ 120.00	\$ 2,018,400
425	6" Curb and Gutter	5,220	lf	\$ 15.00	\$ 78,300
525	4" Topsoil	9,280	sy	\$ 5.00	\$ 46,400
625	10' Concrete Sidewalk	52,200	sf	\$ 10.00	\$ 522,000
723	Auxiliary Lanes and Median Openings Allotment	445	sf	\$ 128.00	\$ 56,945
Paving Construction Cost Subtotal:					\$ 3,197,355
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
√	Prep ROW	Construction Phase Traffic Control		3%	\$ 95,921
√	Traffic Control			3%	\$ 95,921
√	Pavement Markings/Markers			2%	\$ 63,947
√	Roadway Drainage	Standard Internal System		20%	\$ 639,471
√	Illumination			3%	\$ 84,913
√	Special Drainage Structures	Drainage Crossing(s)		\$ 592,500	\$ 592,500
√	Water/Sewer	Minor Adjustments		7%	\$ 223,815
√	Establish Turf / Erosion Control			1%	\$ 31,974
√	Basic Landscaping			2%	\$ 63,947
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,892,408
Paving and Allowance Subtotal:					\$ 5,089,764
Construction Contingency:					15% \$ 763,465
Construction Cost TOTAL:					\$ 5,854,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,854,000
Engineering/Survey/Testing:		18%	\$ 1,053,720
Mobilization		5%	\$ 292,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 585,400
Impact Fee Project Cost TOTAL:			\$ 7,786,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-23
Name:	Westport (4)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Beach to Alta Vista			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	2,160			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	7,320	cy	\$ 38.00	\$ 278,160
225	6" Lime Stabilization (with Lime @ 32#/sy)	14,400	sy	\$ 8.00	\$ 115,200
325	11" Concrete Pavement	13,920	sy	\$ 120.00	\$ 1,670,400
425	6" Curb and Gutter	4,320	lf	\$ 15.00	\$ 64,800
525	4" Topsoil	7,680	sy	\$ 5.00	\$ 38,400
625	10' Concrete Sidewalk	43,200	sf	\$ 10.00	\$ 432,000
723	Auxiliary Lanes and Median Openings Allotment	368	sf	\$ 128.00	\$ 47,127
Paving Construction Cost Subtotal:					\$ 2,646,087
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 79,383
✓	Traffic Control			3%	\$ 79,383
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 52,922
✓	Roadway Drainage			20%	\$ 529,217
✓	Illumination			3%	\$ 70,273
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 185,226
✓	Establish Turf / Erosion Control			1%	\$ 26,461
✓	Basic Landscaping			2%	\$ 52,922
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,075,786
Paving and Allowance Subtotal:					\$ 3,721,873
Construction Contingency:					15% \$ 558,281
Construction Cost TOTAL:					\$ 4,281,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,281,000
Engineering/Survey/Testing:		18%	\$ 770,580
Mobilization		5%	\$ 214,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 856,200
Impact Fee Project Cost TOTAL:			\$ 6,122,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-24
Name:	Westport (5)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	495' W of Alliance Gateway to Alliance Gateway			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	495			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	1,678	cy	\$ 38.00	\$ 63,745
225	6" Lime Stabilization (with Lime @ 32#/sy)	3,300	sy	\$ 8.00	\$ 26,400
325	11" Concrete Pavement	3,190	sy	\$ 120.00	\$ 382,800
425	6" Curb and Gutter	990	lf	\$ 15.00	\$ 14,850
525	4" Topsoil	1,760	sy	\$ 5.00	\$ 8,800
625	10' Concrete Sidewalk	9,900	sf	\$ 10.00	\$ 99,000
723	Auxiliary Lanes and Median Openings Allotment	84	sf	\$ 128.00	\$ 10,800
Paving Construction Cost Subtotal:					\$ 606,395
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 18,192
✓	Traffic Control			3%	\$ 18,192
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 12,128
✓	Roadway Drainage			20%	\$ 121,279
✓	Illumination			3%	\$ 16,104
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 42,448
✓	Establish Turf / Erosion Control			1%	\$ 6,064
✓	Basic Landscaping			2%	\$ 12,128
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 246,534
Paving and Allowance Subtotal:					\$ 852,929
Construction Contingency:					15% \$ 127,939
Construction Cost TOTAL:					\$ 981,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 981,000
Engineering/Survey/Testing:		18%	\$ 176,580
Mobilization		5%	\$ 49,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 196,200
Impact Fee Project Cost TOTAL:			\$ 1,403,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-25
Name:	Westport (6)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	N Alliance Gateway to S Alliance Gateway			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	430			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	1,457	cy	\$ 38.00	\$ 55,374
225	6" Lime Stabilization (with Lime @ 32#/sy)	2,867	sy	\$ 8.00	\$ 22,933
325	11" Concrete Pavement	2,771	sy	\$ 120.00	\$ 332,533
425	6" Curb and Gutter	860	lf	\$ 15.00	\$ 12,900
525	4" Topsoil	1,529	sy	\$ 5.00	\$ 7,644
625	10' Concrete Sidewalk	8,600	sf	\$ 10.00	\$ 86,000
723	Auxiliary Lanes and Median Openings Allotment	73	sf	\$ 128.00	\$ 9,382
Paving Construction Cost Subtotal:					\$ 526,767
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 15,803
✓	Traffic Control			3%	\$ 15,803
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 10,535
✓	Roadway Drainage			20%	\$ 105,353
✓	Illumination			3%	\$ 13,990
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 36,874
✓	Establish Turf / Erosion Control			1%	\$ 5,268
✓	Basic Landscaping			2%	\$ 10,535
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 214,161
Paving and Allowance Subtotal:					\$ 740,929
Construction Contingency:					15% \$ 111,139
Construction Cost TOTAL:					\$ 853,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 853,000
Engineering/Survey/Testing:		18%	\$ 153,540
Mobilization		5%	\$ 42,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 170,600
Impact Fee Project Cost TOTAL:			\$ 1,220,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-26
Name:	Westport (7)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Alliance Gateway to 625' W of Park Vista			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	2,105			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	7,134	cy	\$ 38.00	\$ 271,077
225	6" Lime Stabilization (with Lime @ 32#/sy)	14,033	sy	\$ 8.00	\$ 112,267
325	11" Concrete Pavement	13,566	sy	\$ 120.00	\$ 1,627,867
425	6" Curb and Gutter	4,210	lf	\$ 15.00	\$ 63,150
525	4" Topsoil	7,484	sy	\$ 5.00	\$ 37,422
625	10' Concrete Sidewalk	42,100	sf	\$ 10.00	\$ 421,000
723	Auxiliary Lanes and Median Openings Allotment	359	sf	\$ 128.00	\$ 45,927
Paving Construction Cost Subtotal:					\$ 2,578,710
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 77,361
✓	Traffic Control			3%	\$ 77,361
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 51,574
✓	Roadway Drainage			20%	\$ 515,742
✓	Illumination			3%	\$ 68,484
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 180,510
✓	Establish Turf / Erosion Control			1%	\$ 25,787
✓	Basic Landscaping			2%	\$ 51,574
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,048,393
Paving and Allowance Subtotal:					\$ 3,627,104
Construction Contingency:					15% \$ 544,066
Construction Cost TOTAL:					\$ 4,172,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,172,000
Engineering/Survey/Testing:		18%	\$ 750,960
Mobilization		5%	\$ 208,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 834,400
Impact Fee Project Cost TOTAL:			\$ 5,966,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-27
Name:	Westport (8)	This project consists of the construction of the eastbound lanes to complete the four-lane divided commercial connector.		
Limits:	400' E of Park Vista to 1370' W of Independence			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,935			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,903	cy	\$ 38.00	\$ 110,295
224	6" Lime Stabilization (with Lime @ 32#/sy)	5,590	sy	\$ 8.00	\$ 44,720
324	11" Concrete Pavement	5,160	sy	\$ 120.00	\$ 619,200
424	6" Curb and Gutter	3,870	lf	\$ 15.00	\$ 58,050
524	4" Topsoil	4,515	sy	\$ 5.00	\$ 22,575
624	10' Concrete Sidewalk	19,350	sf	\$ 10.00	\$ 193,500
722	Auxiliary Lanes and Median Openings Allotment	777	sf	\$ 128.00	\$ 99,447
Paving Construction Cost Subtotal:					\$ 1,147,787
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 34,434
✓	Traffic Control			3%	\$ 34,434
✓	Pavement Markings/Markers			2%	\$ 22,956
✓	Roadway Drainage	Standard Internal System		20%	\$ 229,557
✓	Illumination			3%	\$ 30,482
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 80,345
✓	Establish Turf / Erosion Control			1%	\$ 11,478
✓	Basic Landscaping			2%	\$ 22,956
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 466,641
Paving and Allowance Subtotal:					\$ 1,614,429
Construction Contingency:					15% \$ 242,164
Construction Cost TOTAL:					\$ 1,857,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,857,000
Engineering/Survey/Testing:		18%	\$ 334,260
Mobilization		5%	\$ 92,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 185,700
Impact Fee Project Cost TOTAL:			\$ 2,470,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		A-28
Name:	Old Denton (1)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	Westport to 1095' S of Westport				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,095				
Service Area(s):	A				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	3,285	cy	\$ 38.00	\$ 124,830
223	6" Lime Stabilization (with Lime @ 32#/sy)	6,327	sy	\$ 8.00	\$ 50,613
323	11" Concrete Pavement	5,840	sy	\$ 120.00	\$ 700,800
423	6" Curb and Gutter	4,380	lf	\$ 15.00	\$ 65,700
523	4" Topsoil	5,110	sy	\$ 5.00	\$ 25,550
623	10' Concrete Sidewalk	21,900	sf	\$ 10.00	\$ 219,000
721	Auxiliary Lanes and Median Openings Allotment	440	sf	\$ 128.00	\$ 56,276
Paving Construction Cost Subtotal:					\$ 1,242,770
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	37,283
✓	Traffic Control		3%	\$	37,283
✓	Pavement Markings/Markers		2%	\$	24,855
✓	Roadway Drainage		20%	\$	248,554
✓	Illumination	Standard Internal System	3%	\$	33,005
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	86,994
✓	Establish Turf / Erosion Control		1%	\$	12,428
✓	Basic Landscaping		2%	\$	24,855
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 505,257
Paving and Allowance Subtotal:					\$ 1,748,027
Construction Contingency:					15% \$ 262,204
Construction Cost TOTAL:					\$ 2,011,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,011,000
Engineering/Survey/Testing:		18%	\$ 361,980
Mobilization		5%	\$ 100,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 201,100
Impact Fee Project Cost TOTAL:			\$ 2,675,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	A-29
Name:	Old Denton (2)	This project consists of the construction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	1095' S of Westport to Alliance Gateway			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,640			
Service Area(s):	A			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,460	cy	\$ 38.00	\$ 93,480
224	6" Lime Stabilization (with Lime @ 32#/sy)	4,738	sy	\$ 8.00	\$ 37,902
324	11" Concrete Pavement	4,373	sy	\$ 120.00	\$ 524,800
424	6" Curb and Gutter	3,280	lf	\$ 15.00	\$ 49,200
524	4" Topsoil	3,827	sy	\$ 5.00	\$ 19,133
624	10' Concrete Sidewalk	16,400	sf	\$ 10.00	\$ 164,000
722	Auxiliary Lanes and Median Openings Allotment	658	sf	\$ 128.00	\$ 84,286
Paving Construction Cost Subtotal:					\$ 972,802
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,184
✓	Traffic Control			3%	\$ 29,184
✓	Pavement Markings/Markers			2%	\$ 19,456
✓	Roadway Drainage	Standard Internal System		20%	\$ 194,560
✓	Illumination			3%	\$ 25,835
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 68,096
✓	Establish Turf / Erosion Control			1%	\$ 9,728
✓	Basic Landscaping			2%	\$ 19,456
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 395,500
Paving and Allowance Subtotal:					\$ 1,368,301
Construction Contingency:					15% \$ 205,245
Construction Cost TOTAL:					\$ 1,574,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,574,000
Engineering/Survey/Testing:		18%	\$ 283,320
Mobilization		5%	\$ 78,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 157,400
Impact Fee Project Cost TOTAL:			\$ 2,093,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-30, D-1
Name:	Timberland (1)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (A-30, A-32, and A-33). This segment accounts for 35% (\$4,550,544) of the overall project.		
Limits:	485 E of Lilybrook to N Caylor			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,555			
Service Area(s):	A, D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost		-	\$	4,758,363
Previous City contribution	SA A Impact Fees		\$	(207,819)
Other				
Impact Fee Project Cost TOTAL:			\$	4,550,544

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-31, D-2
Name:	Timberland (2)	This project consists of the previously completed five-lane undivided section neighborhood connector. The City contributed \$1,997,466 overall to this project.		
Limits:	375' E of N Caylor to Park Vista			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,140			
Service Area(s):	A, D			
Impact Fee Project Cost TOTAL:			\$	1,997,466

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-32, D-3
Name:	Timberland (3)	This project consists of the previously completed five-lane undivided section neighborhood connector. The City contributed \$623,063 overall to this project.		
Limits:	Park Vista to 355' E of Park Vista			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	355			
Service Area(s):	A, D			
Impact Fee Project Cost TOTAL:			\$	623,063

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-33, D-4
Name:	Timberland (4)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (A-30, A-32, and A-33). This segment accounts for 54% (\$7,088,018) of the overall project.		
Limits:	355' E of Park Vista to 425' E of Harvest Oaks			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,420			
Service Area(s):	A, D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost		-	\$	7,411,721
Previous City contribution	SA A Impact Fees		\$	(323,703)
Other				
Impact Fee Project Cost TOTAL:			\$	7,088,018

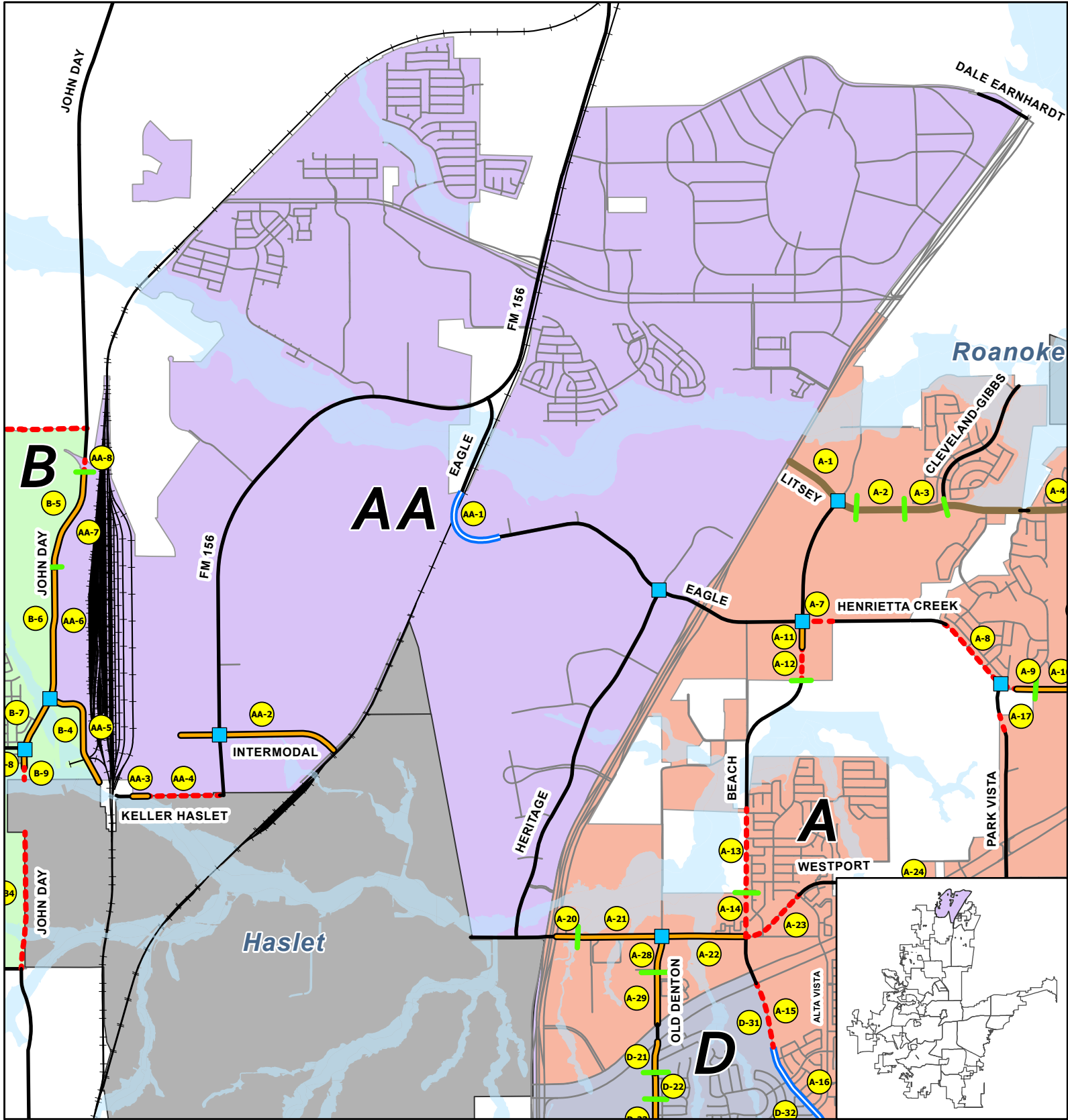
NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	A-34, D-5
Name:	Timberland (5)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (A-30, A-32, and A-33). This segment accounts for 11% (\$1,499,435) of the overall project.		
Limits:	425' E of Harvest Oaks to US 377			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	510			
Service Area(s):	A, D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost		-	\$	1,567,912
Previous City contribution	SA A Impact Fees		\$	(68,477)
Other				
Impact Fee Project Cost TOTAL:			\$	1,499,435

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.



Legend

Impact Fee Eligible - Median	Local Roads
Impact Fee Eligible - New	Roundabout - Recent
Impact Fee Eligible - Previously Completed	Intersection Improvements
Impact Fee Eligible - Widening	Project Limits
Non-Impact Fee Eligible	Railroad
	Floodplain

Impact Fee TIP (SA AA)

FORT WORTH

Transportation Improvements Plan

0 0.6 1.2
Miles

May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study

Transportation Improvements Plan for Transportation Impact Fees

Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area AA

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
AA-1	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Eagle (3)	Old FM 156 to 2675' S of Old FM 156	Previous	100%	\$ 1,957,000	\$ 1,957,000
AA-2	CCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)	Intermodal	1200' W of FM 156 to Old Blue Mound	Widening	100%	\$ 5,500,000	\$ 5,500,000
AA-3	NCO-L2-T0-TWLT-P0-BOP (110)	Keller Haslet (1)	2825' W of FM 156 to Keller Haslet	Widening	50%	\$ 1,194,000	\$ 597,000
AA-4	NCO-L2-T0-TWLT-P0-BOP (110)	Keller Haslet (2)	Keller Haslet to 125' W of FM 156	New	100%	\$ 6,170,000	\$ 6,170,000
AA-5, B-4	NCO-L2-T0-NTMS-P0-BOP (110)	Keller Haslet (3)	John Day to 3485' E of John Day	Widening	50%	\$ 14,923,000	\$ 7,461,500
AA-6, B-6	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	John Day (1)	4515' S of Eagle to Keller Haslet	Widening	50%	\$ 5,246,000	\$ 2,623,000
AA-7, B-5	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	John Day (2)	1360' S of Eagle to 4515' S of Eagle	Widening	100%	\$ 3,920,000	\$ 3,920,000
AA-8	NCO-L2-T0-NTMS-P0-BOP (110)	John Day (3)	985' S of Eagle to 1360' S of Eagle	New	100%	\$ 958,000	\$ 958,000
	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
Intersection Improvements	Intersection Improvements	Eagle	Heritage	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	John Day	Keller Haslet	Rebuild	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Intermodal	FM 156	Rebuild	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

- These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No.	AA-1
Name:	Eagle (3)	This project consists of the construction of the inside lanes within the existing median to complete the six lane divided commercial connector.		
Limits:	Old FM 156 to 2675' S of Old FM 156			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,675			
Service Area(s):	AA			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	4,458	cy	\$ 38.00	\$ 169,417
205	6" Lime Stabilization (with Lime @ 32#/sy)	7,431	sy	\$ 8.00	\$ 59,444
305	11" Concrete Pavement	6,836	sy	\$ 120.00	\$ 820,333
405	6" Curb and Gutter	5,350	lf	\$ 15.00	\$ 80,250
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	912	sf	\$ 128.00	\$ 116,727
Paving Construction Cost Subtotal:					\$ 1,246,172
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
√	Prep ROW	Construction Phase Traffic Control		3%	\$ 37,385
√	Traffic Control			3%	\$ 37,385
√	Pavement Markings/Markers			2%	\$ 24,923
	Roadway Drainage	None Anticipated		0%	\$ -
	Illumination	None Anticipated		0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
√	Establish Turf / Erosion Control			1%	\$ 12,462
√	Basic Landscaping			2%	\$ 24,923
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 137,079
Paving and Allowance Subtotal:					\$ 1,383,251
Construction Contingency:					15% \$ 207,488
Construction Cost TOTAL:					\$ 1,591,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,591,000
Engineering/Survey/Testing:		18%	\$ 286,380
Mobilization		5%	\$ 79,550
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,957,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	AA-2
Name:	Intermodal	This project consists of the construction of the northern lanes to complete the four-lane divided commercial connector with a wide median. The City contribution is expected to be \$5,500,000.		
Limits:	1200' W of FM 156 to Old Blue Mound			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	4,910			
Service Area(s):	AA			
Impact Fee Project Cost TOTAL:			\$	5,500,000

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		AA-3
Name:	Keller Haslet (1)		This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	2825' W of FM 156 to Keller Haslet				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	465				
Service Area(s):	AA, Haslet				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,524	cy	\$ 38.00	\$ 57,918
233	6" Lime Stabilization (with Lime @ 32#/sy)	2,997	sy	\$ 8.00	\$ 23,973
333	11" Concrete Pavement	2,893	sy	\$ 120.00	\$ 347,200
433	6" Curb and Gutter	930	lf	\$ 15.00	\$ 13,950
533	4" Topsoil	1,757	sy	\$ 5.00	\$ 8,783
633	10' Concrete Sidewalk	9,300	sf	\$ 10.00	\$ 93,000
731	Auxiliary Lanes and Median Openings Allotment	79	sf	\$ 128.00	\$ 10,145
Paving Construction Cost Subtotal:					\$ 554,970
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 16,649
✓	Traffic Control			3%	\$ 16,649
✓	Pavement Markings/Markers			2%	\$ 11,099
✓	Roadway Drainage	Standard Internal System		20%	\$ 110,994
✓	Illumination			3%	\$ 14,739
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 38,848
✓	Establish Turf / Erosion Control			1%	\$ 5,550
✓	Basic Landscaping			2%	\$ 11,099
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 225,627
Paving and Allowance Subtotal:					\$ 780,598
Construction Contingency:					15% \$ 117,090
Construction Cost TOTAL:					\$ 898,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 898,000
Engineering/Survey/Testing:		18%	\$ 161,640
Mobilization		5%	\$ 44,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 89,800
Impact Fee Project Cost TOTAL:			\$ 1,194,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	AA-4
Name:	Keller Haslet (2)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Keller Haslet to 125' W of FM 156			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	2,235			
Service Area(s):	AA, Haslet			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	7,326	cy	\$ 38.00	\$ 278,382
233	6" Lime Stabilization (with Lime @ 32#/sy)	14,403	sy	\$ 8.00	\$ 115,227
333	11" Concrete Pavement	13,907	sy	\$ 120.00	\$ 1,668,800
433	6" Curb and Gutter	4,470	lf	\$ 15.00	\$ 67,050
533	4" Topsoil	8,443	sy	\$ 5.00	\$ 42,217
633	10' Concrete Sidewalk	44,700	sf	\$ 10.00	\$ 447,000
731	Auxiliary Lanes and Median Openings Allotment	381	sf	\$ 128.00	\$ 48,764
Paving Construction Cost Subtotal:					\$ 2,667,439
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 80,023
✓	Traffic Control			3%	\$ 80,023
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 53,349
✓	Roadway Drainage			20%	\$ 533,488
✓	Illumination			3%	\$ 70,840
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 186,721
✓	Establish Turf / Erosion Control			1%	\$ 26,674
✓	Basic Landscaping			2%	\$ 53,349
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,084,467
Paving and Allowance Subtotal:					\$ 3,751,905
Construction Contingency:					15% \$ 562,786
Construction Cost TOTAL:					\$ 4,315,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,315,000
Engineering/Survey/Testing:		18%	\$ 776,700
Mobilization		5%	\$ 215,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 863,000
Impact Fee Project Cost TOTAL:			\$ 6,170,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	AA-5, B-4	
Name:	Keller Haslet (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	John Day to 3485' E of John Day				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,485				
Service Area(s):	AA, B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,068	cy	\$ 38.00	\$ 382,576
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,361	sy	\$ 8.00	\$ 154,889
330	11" Concrete Pavement	17,812	sy	\$ 120.00	\$ 2,137,467
430	6" Curb and Gutter	13,940	lf	\$ 15.00	\$ 209,100
530	4" Topsoil	17,038	sy	\$ 5.00	\$ 85,189
630	10' Concrete Sidewalk	69,700	sf	\$ 10.00	\$ 697,000
728	Auxiliary Lanes and Median Openings Allotment	1,399	sf	\$ 128.00	\$ 179,108
Paving Construction Cost Subtotal:					\$ 3,845,328
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	115,360
✓	Traffic Control		3%	\$	115,360
✓	Pavement Markings/Markers		2%	\$	76,907
✓	Roadway Drainage	Standard Internal System	20%	\$	769,066
✓	Illumination		3%	\$	102,122
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	269,173
✓	Establish Turf / Erosion Control		1%	\$	38,453
✓	Basic Landscaping		2%	\$	76,907
✓	Other:	Grade Separated Railroad Crossing	\$0	\$	5,000,000
Allowance Subtotal:					\$ 6,563,346
Paving and Allowance Subtotal:					\$ 10,408,674
Construction Contingency:					15% \$ 811,301
Construction Cost TOTAL:					\$ 11,220,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,220,000
Engineering/Survey/Testing:		18%	\$ 2,019,600
Mobilization		5%	\$ 561,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,122,000
Impact Fee Project Cost TOTAL:			\$ 14,923,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.
Name:	John Day (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided commercial connector	AA-6, B-6
Limits:	4515' S of Eagle to Keller Haslet		
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Commercial Connector		
Length (lf):	4,110		
Service Area(s):	AA, B		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	6,165	cy	\$ 38.00	\$ 234,270
224	6" Lime Stabilization (with Lime @ 32#/sy)	11,873	sy	\$ 8.00	\$ 94,987
324	11" Concrete Pavement	10,960	sy	\$ 120.00	\$ 1,315,200
424	6" Curb and Gutter	8,220	lf	\$ 15.00	\$ 123,300
524	4" Topsoil	9,590	sy	\$ 5.00	\$ 47,950
624	10' Concrete Sidewalk	41,100	sf	\$ 10.00	\$ 411,000
722	Auxiliary Lanes and Median Openings Allotment	1,650	sf	\$ 128.00	\$ 211,229
Paving Construction Cost Subtotal:					\$ 2,437,936
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 73,138
✓	Traffic Control			3%	\$ 73,138
✓	Pavement Markings/Markers			2%	\$ 48,759
✓	Roadway Drainage	Standard Internal System		20%	\$ 487,587
✓	Illumination			3%	\$ 64,745
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 170,656
✓	Establish Turf / Erosion Control			1%	\$ 24,379
✓	Basic Landscaping			2%	\$ 48,759
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 991,161
Paving and Allowance Subtotal:					\$ 3,429,096
Construction Contingency:					15% \$ 514,364
Construction Cost TOTAL:					\$ 3,944,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,944,000
Engineering/Survey/Testing:		18%	\$ 709,920
Mobilization		5%	\$ 197,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 394,400
Impact Fee Project Cost TOTAL:			\$ 5,246,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.
Name:	John Day (2)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector	AA-7, B-5
Limits:	1360' S of Eagle to 4515' S of Eagle		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	3,155		
Service Area(s):	AA, B		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	4,557	cy	\$ 38.00	\$ 173,174
231	6" Lime Stabilization (with Lime @ 32#/sy)	8,764	sy	\$ 8.00	\$ 70,111
331	11" Concrete Pavement	8,063	sy	\$ 120.00	\$ 967,533
431	6" Curb and Gutter	6,310	lf	\$ 15.00	\$ 94,650
531	4" Topsoil	7,712	sy	\$ 5.00	\$ 38,561
631	10' Concrete Sidewalk	31,550	sf	\$ 10.00	\$ 315,500
729	Auxiliary Lanes and Median Openings Allotment	1,267	sf	\$ 128.00	\$ 162,148
Paving Construction Cost Subtotal:					\$ 1,821,678
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 54,650
✓	Traffic Control			3%	\$ 54,650
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 36,434
✓	Roadway Drainage			20%	\$ 364,336
✓	Illumination			3%	\$ 48,379
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 127,517
✓	Establish Turf / Erosion Control			1%	\$ 18,217
✓	Basic Landscaping			2%	\$ 36,434
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 740,617
Paving and Allowance Subtotal:					\$ 2,562,294
Construction Contingency:					15% \$ 384,344
Construction Cost TOTAL:					\$ 2,947,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,947,000
Engineering/Survey/Testing:		18%	\$ 530,460
Mobilization		5%	\$ 147,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 294,700
Impact Fee Project Cost TOTAL:			\$ 3,920,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

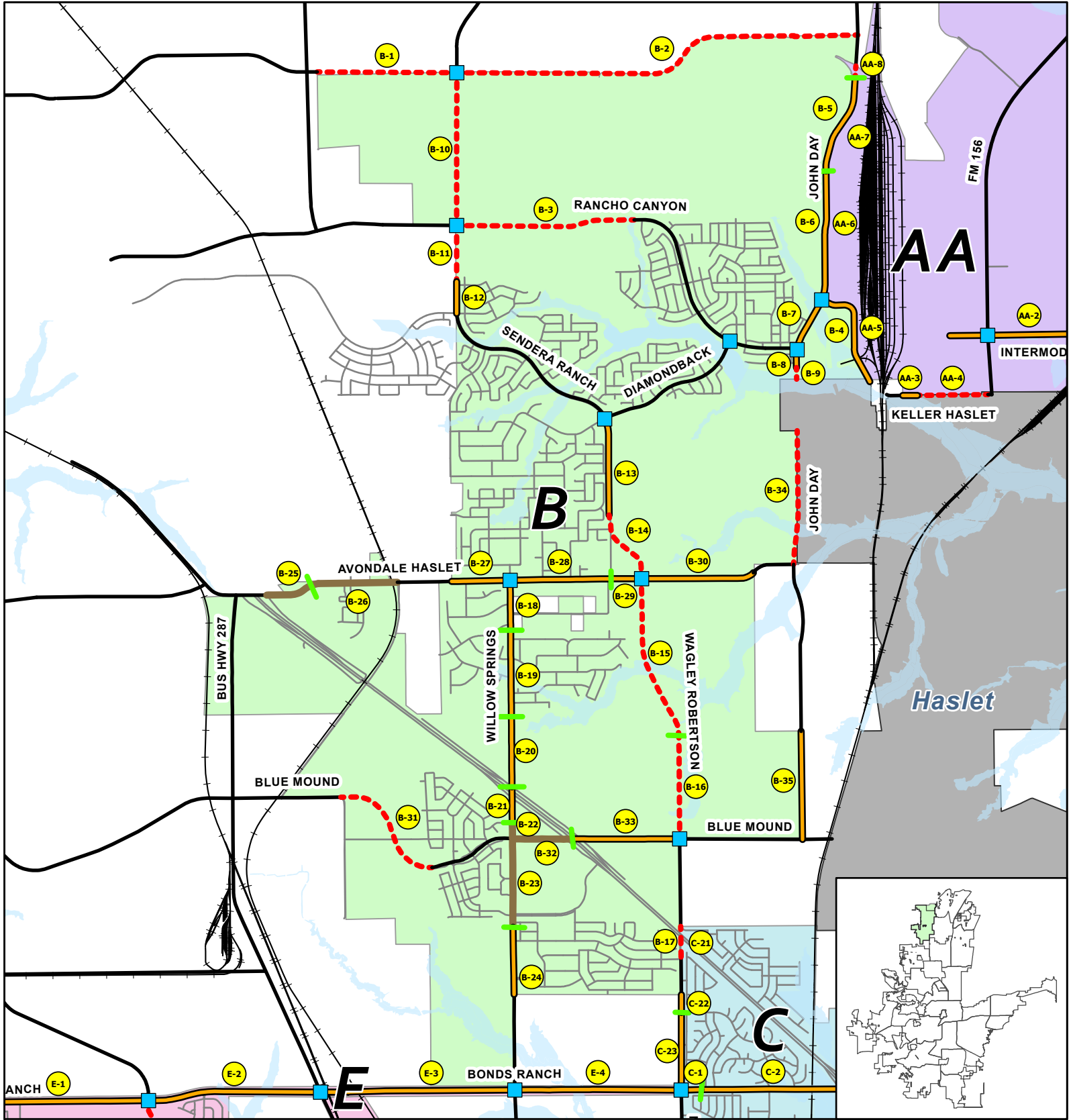
Project Information:		Description:	Project No.	AA-8
Name:	John Day (3)	This project consists of the construction of a new four-lane divided neighborhood connector		
Limits:	985' S of Eagle to 1360' S of Eagle			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	375			
Service Area(s):	AA			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	1,083	cy	\$ 38.00	\$ 41,167
230	6" Lime Stabilization (with Lime @ 32#/sy)	2,083	sy	\$ 8.00	\$ 16,667
330	11" Concrete Pavement	1,917	sy	\$ 120.00	\$ 230,000
430	6" Curb and Gutter	1,500	lf	\$ 15.00	\$ 22,500
530	4" Topsoil	1,833	sy	\$ 5.00	\$ 9,167
630	10' Concrete Sidewalk	7,500	sf	\$ 10.00	\$ 75,000
728	Auxiliary Lanes and Median Openings Allotment	151	sf	\$ 128.00	\$ 19,273
Paving Construction Cost Subtotal:					\$ 413,773
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 12,413
✓	Traffic Control			3%	\$ 12,413
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 8,275
✓	Roadway Drainage			20%	\$ 82,755
✓	Illumination			3%	\$ 10,989
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 28,964
✓	Establish Turf / Erosion Control			1%	\$ 4,138
✓	Basic Landscaping			2%	\$ 8,275
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 168,222
Paving and Allowance Subtotal:					\$ 581,995
Construction Contingency:					15% \$ 87,299
Construction Cost TOTAL:					\$ 670,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 670,000
Engineering/Survey/Testing:		18%	\$ 120,600
Mobilization		5%	\$ 33,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 134,000
Impact Fee Project Cost TOTAL:			\$ 958,000

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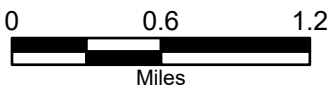
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Impact Fee TIP (SA B)



Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area B

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
B-1	NCO-L2-T0-TWLT-P0-BOP (110)	Eagle (1)	330' E of Graben to Sendera Ranch	New	50%	\$ 12,216,000	\$ 6,108,000
B-2	NCO-L2-T0-TWLT-P0-BOP (110)	Eagle (2)	Sendera Ranch to John Day	New	50%	\$ 36,275,000	\$ 18,137,500
B-3	NCO-L2-T0-TWLT-P0-BOP (110)	Rancho Canyon	Sendera Ranch to Skytop	New	100%	\$ 17,307,000	\$ 17,307,000
B-4, AA-5	NCO-L2-T0-NTMS-P0-BOP (110)	Keller Haslet (3)	John Day to 3485' E of John Day	Widening	50%	\$ 14,923,000	\$ 7,461,500
B-5, AA-7	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	John Day (2)	1360' S of Eagle to 4515' S of Eagle	Widening	100%	\$ 3,920,000	\$ 3,920,000
B-6, AA-6	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	John Day (1)	4515' S of Eagle to Keller Haslet	Widening	50%	\$ 5,246,000	\$ 2,623,000
B-7	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	John Day (4)	Keller Haslet to Rancho Canyon	Widening	100%	\$ 2,539,000	\$ 2,539,000
B-8	NCO-L2-T0-TWLT-P0-BOP (110)	John Day (5)	Rancho Canyon to 560' S of Rancho Canyon	Widening	100%	\$ 1,439,000	\$ 1,439,000
B-9	NCO-L2-T0-TWLT-P0-BOP (110)	John Day (6)	560' S of Rancho Canyon to 930' S of Rancho Canyon	New	100%	\$ 1,909,000	\$ 1,909,000
B-10	NCO-L2-T0-TWLT-P0-BOP (110)	Sendera Ranch (1)	Eagle to Rancho Canyon	New	100%	\$ 13,362,000	\$ 13,362,000
B-11	NCO-L2-T0-TWLT-P0-BOP (110)	Sendera Ranch (2)	Rancho Canyon to 900' N of Suncatcher	New	50%	\$ 4,915,000	\$ 2,457,500
B-12	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Sendera Ranch (3)	1005' N of Suncatcher to Suncatcher	Widening	50%	\$ 1,502,000	\$ 751,000
B-13	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Sendera Ranch (4)	Diamondback to 450' N of Cactus Spine	Widening	100%	\$ 3,833,000	\$ 3,833,000
B-14	NCO-L2-T0-NTMS-P0-BOP (110)	Sendera Ranch (5)	450' N of Cactus Spine to Avondale Haslet	New	100%	\$ 6,178,000	\$ 6,178,000
B-15	NCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (1)	Avondale Haslet to 5220' S of Avondale Haslet	New	100%	\$ 15,956,000	\$ 15,956,000
B-16	NCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (2)	5220' S of Avondale Haslet to Blue Mound	New	100%	\$ 9,768,000	\$ 9,768,000
B-17, C-21	CCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (3)	245' N of US 287 to 725' S of US 287	New	50%	\$ 9,697,000	\$ 4,848,500
B-18	NCO-L2-T0-TWLT-P0-BOP (110)	Willow Springs (1)	Avondale Haslet to 200' S of Velda Kay	Widening	100%	\$ 4,135,000	\$ 4,135,000
B-19	NCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (2)	200' S of Velda Kay to 1235' S of Singleton	Widening	100%	\$ 7,940,000	\$ 7,940,000
B-20	CCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (3)	1235' S of Singleton to US 287 NBFR	Widening	100%	\$ 6,055,000	\$ 6,055,000
B-21	NCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (4)	US 287 NBFR to 450' N of Blue Mound	Widening	100%	\$ 2,316,000	\$ 2,316,000
B-22	NCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (5)	450' N of Blue Mound to Blue Mound	Recent	100%	\$ 2,418,592	\$ 2,418,592
B-23	NCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (6)	Blue Mound to 400' S of Eagle	Recent	100%	\$ 8,414,981	\$ 8,414,981
B-24	NCO-L2-T0-NTMS-P0-BOP (110)	Willow Springs (7)	Blue Mound to 510' S of Twisting Star	Widening	100%	\$ 5,057,000	\$ 5,057,000
B-25	CCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (1)	US 287 NBFR to 1715' E of US 287 NBFR	Previous	100%	\$ 3,007,176	\$ 3,007,176
B-26	CCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (2)	1715' E of US 287 NBFR to Bates Aston	Previous	100%	\$ 2,004,784	\$ 2,004,784
B-27	NCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (3)	455' W of Willow Ranch to Willow Springs	Widening	100%	\$ 4,404,000	\$ 4,404,000
B-28	NCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (4)	Willow Springs to Sendera Ranch	Widening	100%	\$ 7,489,000	\$ 7,489,000
B-29	NCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (5)	Sendera Ranch to 1015' E of Sendera Ranch	Widening	100%	\$ 2,410,000	\$ 2,410,000
B-30	NCO-L2-T0-NTMS-P0-BOP (110)	Avondale Haslet (6)	1015' E of Sendera Ranch to 1360' W of John Day	Widening	100%	\$ 8,523,000	\$ 8,523,000
B-31	NCO-L2-T0-NTMS-P0-BOP (110)	Blue Mound (1)	Hicks Avondale School Rd to 700' W of Eagle	New	100%	\$ 10,325,000	\$ 10,325,000
B-32	CCO-L2-T0-NTMS-P0-BOP (110)	Blue Mound (2)	Willow Springs to US 287	Recent	100%	\$ 12,687,319	\$ 12,687,319
B-33	CCO-L2-T0-NTMS-P0-BOP (110)	Blue Mound (3)	US 287 to Wagley Robertson	Widening	100%	\$ 8,363,000	\$ 8,363,000
B-34	NCO-L2-T0-TWLT-P0-BOP (110)	John Day (7)	6250' N of Avondale Haslet to Avondale Haslet	New	50%	\$ 17,254,000	\$ 8,627,000
B-35	NCO-L2-T0-NTMS-P0-BOP (110)	John Day (8)	Blue Mound to 3425' N of Blue Mound	Widening	50%	\$ 8,130,000	\$ 4,065,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Avondale Haslet	Sendera Ranch	Rebuild	100%	\$ 2,500,000	\$ 2,500,000.00
	Intersection Improvements	Avondale Haslet	Willow Springs	Rebuild	100%	\$ 2,500,000	\$ 2,500,000.00
	Intersection Improvements	Blue Mound	Wagley Roberson	Rebuild	75%	\$ 2,500,000	\$ 1,875,000.00
	Intersection Improvements	Diamondback	Rancho Canyon	Retrofit	100%	\$ 2,500,000	\$ 2,500,000.00
	Intersection Improvements	Eagle	Sendera Ranch	New	50%	\$ 1,500,000	\$ 750,000.00
	Intersection Improvements	Keller Haslet	John Day	Rebuild	100%	\$ 2,500,000	\$ 2,500,000.00
	Intersection Improvements	Rancho Canyon	John Day	New	100%	\$ 1,500,000	\$ 1,500,000.00
	Intersection Improvements	Rancho Canyon	Sendera Ranch	New	75%	\$ 1,500,000	\$ 1,125,000.00
	Intersection Improvements	Sendera Ranch	Diamondback	Recent	100%	\$ 1,500,000	\$ 1,500,000.00

NOTES:
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2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-1	
Name:	Eagle (1)	This project consists of the construction of a new five-lane undivided neighborhood connector.			
Limits:	330' E of Graben to Sendera Ranch				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	4,425				
Service Area(s):	B, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	14,504	cy	\$ 38.00	\$ 551,158
233	6" Lime Stabilization (with Lime @ 32#/sy)	28,517	sy	\$ 8.00	\$ 228,133
333	11" Concrete Pavement	27,533	sy	\$ 120.00	\$ 3,304,000
433	6" Curb and Gutter	8,850	lf	\$ 15.00	\$ 132,750
533	4" Topsoil	16,717	sy	\$ 5.00	\$ 83,583
633	10' Concrete Sidewalk	88,500	sf	\$ 10.00	\$ 885,000
731	Auxiliary Lanes and Median Openings Allotment	754	sf	\$ 128.00	\$ 96,545
Paving Construction Cost Subtotal:					\$ 5,281,170
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	158,435
✓	Traffic Control		3%	\$	158,435
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	105,623
✓	Roadway Drainage		20%	\$	1,056,234
✓	Illumination		3%	\$	140,254
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	369,682
✓	Establish Turf / Erosion Control		1%	\$	52,812
✓	Basic Landscaping		2%	\$	105,623
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 2,147,099
Paving and Allowance Subtotal:					\$ 7,428,269
Construction Contingency:					15% \$ 1,114,240
Construction Cost TOTAL:					\$ 8,543,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,543,000
Engineering/Survey/Testing:		18%	\$ 1,537,740
Mobilization		5%	\$ 427,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,708,600
Impact Fee Project Cost TOTAL:			\$ 12,216,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-2	
Name:	Eagle (2)	This project consists of the construction of a new five-lane undivided neighborhood connector.			
Limits:	Sendera Ranch to John Day				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	13,140				
Service Area(s):	B, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	43,070	cy	\$ 38.00	\$ 1,636,660
233	6" Lime Stabilization (with Lime @ 32#/sy)	84,680	sy	\$ 8.00	\$ 677,440
333	11" Concrete Pavement	81,760	sy	\$ 120.00	\$ 9,811,200
433	6" Curb and Gutter	26,280	lf	\$ 15.00	\$ 394,200
533	4" Topsoil	49,640	sy	\$ 5.00	\$ 248,200
633	10' Concrete Sidewalk	262,800	sf	\$ 10.00	\$ 2,628,000
731	Auxiliary Lanes and Median Openings Allotment	2,240	sf	\$ 128.00	\$ 286,691
Paving Construction Cost Subtotal:					\$ 15,682,391
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	470,472
✓	Traffic Control	None Anticipated	3%	\$	470,472
✓	Pavement Markings/Markers		2%	\$	313,648
✓	Roadway Drainage	Standard Internal System	20%	\$	3,136,478
✓	Illumination		3%	\$	416,483
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	1,097,767
✓	Establish Turf / Erosion Control		1%	\$	156,824
✓	Basic Landscaping		2%	\$	313,648
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 6,375,791
Paving and Allowance Subtotal:					\$ 22,058,182
Construction Contingency:					15% \$ 3,308,727
Construction Cost TOTAL:					\$ 25,367,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 25,367,000
Engineering/Survey/Testing:		18%	\$ 4,566,060
Mobilization		5%	\$ 1,268,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 5,073,400
Impact Fee Project Cost TOTAL:			\$ 36,275,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-3
Name:	Rancho Canyon	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Sendera Ranch to Skytop			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	5,650			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	18,519	cy	\$ 38.00	\$ 703,739
233	6" Lime Stabilization (with Lime @ 32#/sy)	36,411	sy	\$ 8.00	\$ 291,289
333	11" Concrete Pavement	35,156	sy	\$ 120.00	\$ 4,218,667
433	6" Curb and Gutter	11,300	lf	\$ 15.00	\$ 169,500
533	4" Topsoil	21,344	sy	\$ 5.00	\$ 106,722
633	10' Concrete Sidewalk	113,000	sf	\$ 10.00	\$ 1,130,000
731	Auxiliary Lanes and Median Openings Allotment	963	sf	\$ 128.00	\$ 123,273
Paving Construction Cost Subtotal:					\$ 6,743,189
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 202,296
✓	Traffic Control			3%	\$ 202,296
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 134,864
✓	Roadway Drainage			20%	\$ 1,348,638
✓	Illumination			3%	\$ 179,081
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,039,500	\$ 1,039,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 472,023
✓	Establish Turf / Erosion Control			1%	\$ 67,432
✓	Basic Landscaping			2%	\$ 134,864
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,780,993
Paving and Allowance Subtotal:					\$ 10,524,183
Construction Contingency:					15% \$ 1,578,627
Construction Cost TOTAL:					\$ 12,103,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,103,000
Engineering/Survey/Testing:		18%	\$ 2,178,540
Mobilization		5%	\$ 605,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,420,600
Impact Fee Project Cost TOTAL:			\$ 17,307,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. B-4, AA-5
Name:	Keller Haslet (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.	
Limits:	John Day to 3485' E of John Day		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	3,485		
Service Area(s):	B, AA		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,068	cy	\$ 38.00	\$ 382,576
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,361	sy	\$ 8.00	\$ 154,889
330	11" Concrete Pavement	17,812	sy	\$ 120.00	\$ 2,137,467
430	6" Curb and Gutter	13,940	lf	\$ 15.00	\$ 209,100
530	4" Topsoil	17,038	sy	\$ 5.00	\$ 85,189
630	10' Concrete Sidewalk	69,700	sf	\$ 10.00	\$ 697,000
728	Auxiliary Lanes and Median Openings Allotment	1,399	sf	\$ 128.00	\$ 179,108
Paving Construction Cost Subtotal:					\$ 3,845,328
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 115,360
✓	Traffic Control			3%	\$ 115,360
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 76,907
✓	Roadway Drainage			20%	\$ 769,066
✓	Illumination			3%	\$ 102,122
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 269,173
✓	Establish Turf / Erosion Control			1%	\$ 38,453
✓	Basic Landscaping	Grade Separated Railroad Crossing		2%	\$ 76,907
✓	Other:			\$0	\$ 5,000,000
Allowance Subtotal:					\$ 6,563,346
Paving and Allowance Subtotal:					\$ 10,408,674
Construction Contingency:					15% \$ 811,301
Construction Cost TOTAL:					\$ 11,220,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,220,000
Engineering/Survey/Testing:		18%	\$ 2,019,600
Mobilization		5%	\$ 561,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,122,000
Impact Fee Project Cost TOTAL:			\$ 14,923,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. B-5, AA-7
Name:	John Day (2)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.	
Limits:	1360' S of Eagle to 4515' S of Eagle		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	3,155		
Service Area(s):	B, AA		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	4,557	cy	\$ 38.00	\$ 173,174
231	6" Lime Stabilization (with Lime @ 32#/sy)	8,764	sy	\$ 8.00	\$ 70,111
331	11" Concrete Pavement	8,063	sy	\$ 120.00	\$ 967,533
431	6" Curb and Gutter	6,310	lf	\$ 15.00	\$ 94,650
531	4" Topsoil	7,712	sy	\$ 5.00	\$ 38,561
631	10' Concrete Sidewalk	31,550	sf	\$ 10.00	\$ 315,500
729	Auxiliary Lanes and Median Openings Allotment	1,267	sf	\$ 128.00	\$ 162,148
Paving Construction Cost Subtotal:					\$ 1,821,678
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 54,650
✓	Traffic Control			3%	\$ 54,650
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 36,434
✓	Roadway Drainage			20%	\$ 364,336
✓	Illumination	None Anticipated		3%	\$ 48,379
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 127,517
✓	Establish Turf / Erosion Control			1%	\$ 18,217
✓	Basic Landscaping			2%	\$ 36,434
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 740,617
Paving and Allowance Subtotal:					\$ 2,562,294
Construction Contingency:					15% \$ 384,344
Construction Cost TOTAL:					\$ 2,947,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,947,000
Engineering/Survey/Testing:		18%	\$ 530,460
Mobilization		5%	\$ 147,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 294,700
Impact Fee Project Cost TOTAL:			\$ 3,920,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. B-6, AA-6
Name:	John Day (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.	
Limits:	4515' S of Eagle to Keller Haslet		
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Commercial Connector		
Length (lf):	4,110		
Service Area(s):	B, AA		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	6,165	cy	\$ 38.00	\$ 234,270
224	6" Lime Stabilization (with Lime @ 32#/sy)	11,873	sy	\$ 8.00	\$ 94,987
324	11" Concrete Pavement	10,960	sy	\$ 120.00	\$ 1,315,200
424	6" Curb and Gutter	8,220	lf	\$ 15.00	\$ 123,300
524	4" Topsoil	9,590	sy	\$ 5.00	\$ 47,950
624	10' Concrete Sidewalk	41,100	sf	\$ 10.00	\$ 411,000
722	Auxiliary Lanes and Median Openings Allotment	1,650	sf	\$ 128.00	\$ 211,229
Paving Construction Cost Subtotal:					\$ 2,437,936
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 73,138
✓	Traffic Control			3%	\$ 73,138
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 48,759
✓	Roadway Drainage			20%	\$ 487,587
✓	Illumination			3%	\$ 64,745
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 170,656
✓	Establish Turf / Erosion Control			1%	\$ 24,379
✓	Basic Landscaping			2%	\$ 48,759
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 991,161
Paving and Allowance Subtotal:					\$ 3,429,096
Construction Contingency:					15% \$ 514,364
Construction Cost TOTAL:					\$ 3,944,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,944,000
Engineering/Survey/Testing:		18%	\$ 709,920
Mobilization		5%	\$ 197,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 394,400
Impact Fee Project Cost TOTAL:			\$ 5,246,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-7
Name:	John Day (4)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Keller Haslet to Rancho Canyon			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,765			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,648	cy	\$ 38.00	\$ 100,605
224	6" Lime Stabilization (with Lime @ 32#/sy)	5,099	sy	\$ 8.00	\$ 40,791
324	11" Concrete Pavement	4,707	sy	\$ 120.00	\$ 564,800
424	6" Curb and Gutter	3,530	lf	\$ 15.00	\$ 52,950
524	4" Topsoil	4,118	sy	\$ 5.00	\$ 20,592
624	10' Concrete Sidewalk	17,650	sf	\$ 10.00	\$ 176,500
722	Auxiliary Lanes and Median Openings Allotment	709	sf	\$ 128.00	\$ 90,710
Paving Construction Cost Subtotal:					\$ 1,046,948
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 31,408
✓	Traffic Control			3%	\$ 31,408
✓	Pavement Markings/Markers			2%	\$ 20,939
✓	Roadway Drainage	Standard Internal System		20%	\$ 209,390
✓	Illumination			3%	\$ 27,804
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 187,000	\$ 187,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 73,286
✓	Establish Turf / Erosion Control			1%	\$ 10,469
✓	Basic Landscaping			2%	\$ 20,939
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 612,644
Paving and Allowance Subtotal:					\$ 1,659,593
Construction Contingency:					15% \$ 248,939
Construction Cost TOTAL:					\$ 1,909,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,909,000
Engineering/Survey/Testing:		18%	\$ 343,620
Mobilization		5%	\$ 95,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 190,900
Impact Fee Project Cost TOTAL:			\$ 2,539,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-8
Name:	John Day (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	Rancho Canyon to 560' S of Rancho Canyon			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	560			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,836	cy	\$ 38.00	\$ 69,751
233	6" Lime Stabilization (with Lime @ 32#/sy)	3,609	sy	\$ 8.00	\$ 28,871
333	11" Concrete Pavement	3,484	sy	\$ 120.00	\$ 418,133
433	6" Curb and Gutter	1,120	lf	\$ 15.00	\$ 16,800
533	4" Topsoil	2,116	sy	\$ 5.00	\$ 10,578
633	10' Concrete Sidewalk	11,200	sf	\$ 10.00	\$ 112,000
731	Auxiliary Lanes and Median Openings Allotment	95	sf	\$ 128.00	\$ 12,218
Paving Construction Cost Subtotal:					\$ 668,352
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 20,051
✓	Traffic Control			3%	\$ 20,051
✓	Pavement Markings/Markers			2%	\$ 13,367
✓	Roadway Drainage	Standard Internal System		20%	\$ 133,670
✓	Illumination			3%	\$ 17,750
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 46,785
✓	Establish Turf / Erosion Control			1%	\$ 6,684
✓	Basic Landscaping			2%	\$ 13,367
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 271,723
Paving and Allowance Subtotal:					\$ 940,075
Construction Contingency:					15% \$ 141,011
Construction Cost TOTAL:					\$ 1,082,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,082,000
Engineering/Survey/Testing:		18%	\$ 194,760
Mobilization		5%	\$ 54,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 108,200
Impact Fee Project Cost TOTAL:			\$ 1,439,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-9
Name:	John Day (6)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	560' S of Rancho Canyon to 930' S of Rancho Canyon			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	370			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,213	cy	\$ 38.00	\$ 46,086
233	6" Lime Stabilization (with Lime @ 32#/sy)	2,384	sy	\$ 8.00	\$ 19,076
333	11" Concrete Pavement	2,302	sy	\$ 120.00	\$ 276,267
433	6" Curb and Gutter	740	lf	\$ 15.00	\$ 11,100
533	4" Topsoil	1,398	sy	\$ 5.00	\$ 6,989
633	10' Concrete Sidewalk	7,400	sf	\$ 10.00	\$ 74,000
731	Auxiliary Lanes and Median Openings Allotment	63	sf	\$ 128.00	\$ 8,073
Paving Construction Cost Subtotal:					\$ 441,589
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 13,248
✓	Traffic Control			3%	\$ 13,248
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 8,832
✓	Roadway Drainage			20%	\$ 88,318
✓	Illumination			3%	\$ 11,727
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 539,000	\$ 539,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 30,911
✓	Establish Turf / Erosion Control			1%	\$ 4,416
✓	Basic Landscaping			2%	\$ 8,832
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 718,531
Paving and Allowance Subtotal:					\$ 1,160,121
Construction Contingency:					15% \$ 174,018
Construction Cost TOTAL:					\$ 1,335,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,335,000
Engineering/Survey/Testing:		18%	\$ 240,300
Mobilization		5%	\$ 66,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 267,000
Impact Fee Project Cost TOTAL:			\$ 1,909,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-10
Name:	Sendera Ranch (1)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Eagle to Rancho Canyon			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	4,840			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	15,864	cy	\$ 38.00	\$ 602,849
233	6" Lime Stabilization (with Lime @ 32#/sy)	31,191	sy	\$ 8.00	\$ 249,529
333	11" Concrete Pavement	30,116	sy	\$ 120.00	\$ 3,613,867
433	6" Curb and Gutter	9,680	lf	\$ 15.00	\$ 145,200
533	4" Topsoil	18,284	sy	\$ 5.00	\$ 91,422
633	10' Concrete Sidewalk	96,800	sf	\$ 10.00	\$ 968,000
731	Auxiliary Lanes and Median Openings Allotment	825	sf	\$ 128.00	\$ 105,600
Paving Construction Cost Subtotal:					\$ 5,776,467
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 173,294
✓	Traffic Control			3%	\$ 173,294
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 115,529
✓	Roadway Drainage			20%	\$ 1,155,293
✓	Illumination			3%	\$ 153,408
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 404,353
✓	Establish Turf / Erosion Control			1%	\$ 57,765
✓	Basic Landscaping			2%	\$ 115,529
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,348,465
Paving and Allowance Subtotal:					\$ 8,124,932
Construction Contingency:					15% \$ 1,218,740
Construction Cost TOTAL:					\$ 9,344,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,344,000
Engineering/Survey/Testing:		18%	\$ 1,681,920
Mobilization		5%	\$ 467,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,868,800
Impact Fee Project Cost TOTAL:			\$ 13,362,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-11
Name:	Sendera Ranch (2)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Rancho Canyon to 900' N of Suncatcher			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,780			
Service Area(s):	B, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	5,834	cy	\$ 38.00	\$ 221,709
233	6" Lime Stabilization (with Lime @ 32#/sy)	11,471	sy	\$ 8.00	\$ 91,769
333	11" Concrete Pavement	11,076	sy	\$ 120.00	\$ 1,329,067
433	6" Curb and Gutter	3,560	lf	\$ 15.00	\$ 53,400
533	4" Topsoil	6,724	sy	\$ 5.00	\$ 33,622
633	10' Concrete Sidewalk	35,600	sf	\$ 10.00	\$ 356,000
731	Auxiliary Lanes and Median Openings Allotment	303	sf	\$ 128.00	\$ 38,836
Paving Construction Cost Subtotal:					\$ 2,124,403
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	63,732
✓	Traffic Control		3%	\$	63,732
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	42,488
✓	Roadway Drainage		20%	\$	424,881
✓	Illumination		3%	\$	56,418
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	148,708
✓	Establish Turf / Erosion Control		1%	\$	21,244
✓	Basic Landscaping		2%	\$	42,488
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 863,692
Paving and Allowance Subtotal:					\$ 2,988,095
Construction Contingency:					15% \$ 448,214
Construction Cost TOTAL:					\$ 3,437,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,437,000
Engineering/Survey/Testing:		18%	\$ 618,660
Mobilization		5%	\$ 171,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 687,400
Impact Fee Project Cost TOTAL:			\$ 4,915,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-12
Name:	Sendra Ranch (3)	This project consists of the construction of the southbound lanes to complete the five-lane undivided neighborhood connector.		
Limits:	1005' N of Suncatcher to Suncatcher			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,005			
Service Area(s):	B, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	1,954	cy	\$ 38.00	\$ 74,258
234	6" Lime Stabilization (with Lime @ 32#/sy)	3,853	sy	\$ 8.00	\$ 30,820
334	11" Concrete Pavement	3,741	sy	\$ 120.00	\$ 448,900
434	6" Curb and Gutter	1,005	lf	\$ 15.00	\$ 15,075
534	4" Topsoil	1,284	sy	\$ 5.00	\$ 6,421
634	10' Concrete Sidewalk	10,050	sf	\$ 10.00	\$ 100,500
732	Auxiliary Lanes and Median Openings Allotment	171	sf	\$ 128.00	\$ 21,927
Paving Construction Cost Subtotal:					\$ 697,901
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 20,937
✓	Traffic Control			3%	\$ 20,937
✓	Pavement Markings/Markers			2%	\$ 13,958
✓	Roadway Drainage	Standard Internal System		20%	\$ 139,580
✓	Illumination			3%	\$ 18,534
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 48,853
✓	Establish Turf / Erosion Control			1%	\$ 6,979
✓	Basic Landscaping			2%	\$ 13,958
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 283,737
Paving and Allowance Subtotal:					\$ 981,638
Construction Contingency:					15% \$ 147,246
Construction Cost TOTAL:					\$ 1,129,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,129,000
Engineering/Survey/Testing:		18%	\$ 203,220
Mobilization		5%	\$ 56,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 112,900
Impact Fee Project Cost TOTAL:			\$ 1,502,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-13
Name:	Sendera Ranch (4)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Diamondback to 450' N of Cactus Spine			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,085			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	4,456	cy	\$ 38.00	\$ 169,332
231	6" Lime Stabilization (with Lime @ 32#/sy)	8,569	sy	\$ 8.00	\$ 68,556
331	11" Concrete Pavement	7,884	sy	\$ 120.00	\$ 946,067
431	6" Curb and Gutter	6,170	lf	\$ 15.00	\$ 92,550
531	4" Topsoil	7,541	sy	\$ 5.00	\$ 37,706
631	10' Concrete Sidewalk	30,850	sf	\$ 10.00	\$ 308,500
729	Auxiliary Lanes and Median Openings Allotment	1,239	sf	\$ 128.00	\$ 158,550
Paving Construction Cost Subtotal:					\$ 1,781,260
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 53,438
✓	Traffic Control			3%	\$ 53,438
✓	Pavement Markings/Markers			2%	\$ 35,625
✓	Roadway Drainage	Standard Internal System		20%	\$ 356,252
✓	Illumination			3%	\$ 47,306
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 124,688
✓	Establish Turf / Erosion Control			1%	\$ 17,813
✓	Basic Landscaping			2%	\$ 35,625
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 724,184
Paving and Allowance Subtotal:					\$ 2,505,445
Construction Contingency:					15% \$ 375,817
Construction Cost TOTAL:					\$ 2,882,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,882,000
Engineering/Survey/Testing:		18%	\$ 518,760
Mobilization		5%	\$ 144,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 288,200
Impact Fee Project Cost TOTAL:			\$ 3,833,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-14	
Name:	Sendera Ranch (5)		This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	450' N of Cactus Spine to Avondale Haslet				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,420				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	6,991	cy	\$ 38.00	\$ 265,662
230	6" Lime Stabilization (with Lime @ 32#/sy)	13,444	sy	\$ 8.00	\$ 107,556
330	11" Concrete Pavement	12,369	sy	\$ 120.00	\$ 1,484,267
430	6" Curb and Gutter	9,680	lf	\$ 15.00	\$ 145,200
530	4" Topsoil	11,831	sy	\$ 5.00	\$ 59,156
630	10' Concrete Sidewalk	48,400	sf	\$ 10.00	\$ 484,000
728	Auxiliary Lanes and Median Openings Allotment	972	sf	\$ 128.00	\$ 124,373
Paving Construction Cost Subtotal:					\$ 2,670,213
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 80,106
✓	Traffic Control			3%	\$ 80,106
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 53,404
✓	Roadway Drainage			20%	\$ 534,043
✓	Illumination			3%	\$ 70,914
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 186,915
✓	Establish Turf / Erosion Control			1%	\$ 26,702
✓	Basic Landscaping			2%	\$ 53,404
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,085,595
Paving and Allowance Subtotal:					\$ 3,755,808
Construction Contingency:					15% \$ 563,371
Construction Cost TOTAL:					\$ 4,320,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,320,000
Engineering/Survey/Testing:		18%	\$ 777,600
Mobilization		5%	\$ 216,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 864,000
Impact Fee Project Cost TOTAL:			\$ 6,178,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-15
Name:	Wagley Robertson (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Avondale Haslet to 5220' S of Avondale Haslet			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,220			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	15,080	cy	\$ 38.00	\$ 573,040
230	6" Lime Stabilization (with Lime @ 32#/sy)	29,000	sy	\$ 8.00	\$ 232,000
330	11" Concrete Pavement	26,680	sy	\$ 120.00	\$ 3,201,600
430	6" Curb and Gutter	20,880	lf	\$ 15.00	\$ 313,200
530	4" Topsoil	25,520	sy	\$ 5.00	\$ 127,600
630	10' Concrete Sidewalk	104,400	sf	\$ 10.00	\$ 1,044,000
728	Auxiliary Lanes and Median Openings Allotment	2,096	sf	\$ 128.00	\$ 268,276
Paving Construction Cost Subtotal:					\$ 5,759,716
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 172,791
✓	Traffic Control			3%	\$ 172,791
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 115,194
✓	Roadway Drainage			20%	\$ 1,151,943
✓	Illumination			3%	\$ 152,963
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,600,500	\$ 1,600,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 403,180
✓	Establish Turf / Erosion Control			1%	\$ 57,597
✓	Basic Landscaping			2%	\$ 115,194
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,942,155
Paving and Allowance Subtotal:					\$ 9,701,871
Construction Contingency:					15% \$ 1,455,281
Construction Cost TOTAL:					\$ 11,158,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,158,000
Engineering/Survey/Testing:		18%	\$ 2,008,440
Mobilization		5%	\$ 557,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,231,600
Impact Fee Project Cost TOTAL:			\$ 15,956,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-16	
Name:	Wagley Robertson (2)		This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	5220' S of Avondale Haslet to Blue Mound				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,285				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	9,490	cy	\$ 38.00	\$ 360,620
230	6" Lime Stabilization (with Lime @ 32#/sy)	18,250	sy	\$ 8.00	\$ 146,000
330	11" Concrete Pavement	16,790	sy	\$ 120.00	\$ 2,014,800
430	6" Curb and Gutter	13,140	lf	\$ 15.00	\$ 197,100
530	4" Topsoil	16,060	sy	\$ 5.00	\$ 80,300
630	10' Concrete Sidewalk	65,700	sf	\$ 10.00	\$ 657,000
728	Auxiliary Lanes and Median Openings Allotment	1,319	sf	\$ 128.00	\$ 168,829
Paving Construction Cost Subtotal:					\$ 3,624,649
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 108,739
✓	Traffic Control			3%	\$ 108,739
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 72,493
✓	Roadway Drainage			20%	\$ 724,930
✓	Illumination			3%	\$ 96,261
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 841,500	\$ 841,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 253,725
✓	Establish Turf / Erosion Control			1%	\$ 36,246
✓	Basic Landscaping			2%	\$ 72,493
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,315,128
Paving and Allowance Subtotal:					\$ 5,939,777
Construction Contingency:					15% \$ 890,967
Construction Cost TOTAL:					\$ 6,831,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,831,000
Engineering/Survey/Testing:		18%	\$ 1,229,580
Mobilization		5%	\$ 341,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,366,200
Impact Fee Project Cost TOTAL:			\$ 9,768,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. B-17, C-21		
Name:	Wagley Robertson (3)	This project consists of the construction of a new four-lane divided commercial connector.			
Limits:	245' N of US 287 to 725' S of US 287				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	970				
Service Area(s):	B, C				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,910	cy	\$ 38.00	\$ 110,580
223	6" Lime Stabilization (with Lime @ 32#/sy)	5,604	sy	\$ 8.00	\$ 44,836
323	11" Concrete Pavement	5,173	sy	\$ 120.00	\$ 620,800
423	6" Curb and Gutter	3,880	lf	\$ 15.00	\$ 58,200
523	4" Topsoil	4,527	sy	\$ 5.00	\$ 22,633
623	10' Concrete Sidewalk	19,400	sf	\$ 10.00	\$ 194,000
721	Auxiliary Lanes and Median Openings Allotment	389	sf	\$ 128.00	\$ 49,852
Paving Construction Cost Subtotal:					\$ 1,100,901
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
√	Prep ROW	None Anticipated	3%	\$	33,027
√	Traffic Control		3%	\$	33,027
√	Pavement Markings/Markers	Standard Internal System	2%	\$	22,018
√	Roadway Drainage		20%	\$	220,180
√	Illumination		3%	\$	29,237
	Special Drainage Structures	None Anticipated	\$ -	\$	-
√	Water/Sewer	Minor Adjustments	7%	\$	77,063
√	Establish Turf / Erosion Control		1%	\$	11,009
√	Basic Landscaping		2%	\$	22,018
√	Other:	Grade Separated Crossing	\$0	\$	5,000,000
Allowance Subtotal:					\$ 5,447,579
Paving and Allowance Subtotal:					\$ 6,548,480
Construction Contingency:					15% \$ 232,272
Construction Cost TOTAL:					\$ 6,781,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,781,000
Engineering/Survey/Testing:		18%	\$ 1,220,580
Mobilization		5%	\$ 339,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,356,200
Impact Fee Project Cost TOTAL:			\$ 9,697,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-18	
Name:	Willow Springs (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.			
Limits:	Avondale Haslet to 200' S of Velda Kay				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	1,610				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	5,277	cy	\$ 38.00	\$ 200,534
233	6" Lime Stabilization (with Lime @ 32#/sy)	10,376	sy	\$ 8.00	\$ 83,004
333	11" Concrete Pavement	10,018	sy	\$ 120.00	\$ 1,202,133
433	6" Curb and Gutter	3,220	lf	\$ 15.00	\$ 48,300
533	4" Topsoil	6,082	sy	\$ 5.00	\$ 30,411
633	10' Concrete Sidewalk	32,200	sf	\$ 10.00	\$ 322,000
731	Auxiliary Lanes and Median Openings Allotment	274	sf	\$ 128.00	\$ 35,127
Paving Construction Cost Subtotal:					\$ 1,921,511
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	57,645
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	57,645
✓	Pavement Markings/Markers		2%	\$	38,430
✓	Roadway Drainage	Standard Internal System	20%	\$	384,302
✓	Illumination		3%	\$	51,030
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	134,506
✓	Establish Turf / Erosion Control		1%	\$	19,215
✓	Basic Landscaping		2%	\$	38,430
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 781,204
Paving and Allowance Subtotal:					\$ 2,702,715
Construction Contingency:					15% \$ 405,407
Construction Cost TOTAL:					\$ 3,109,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,109,000
Engineering/Survey/Testing:		18%	\$ 559,620
Mobilization		5%	\$ 155,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 310,900
Impact Fee Project Cost TOTAL:			\$ 4,135,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-19	
Name:	Willow Springs (2)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	200' S of Velda Kay to 1235' S of Singleton				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,675				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,728	cy	\$ 38.00	\$ 293,656
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,861	sy	\$ 8.00	\$ 118,889
330	11" Concrete Pavement	13,672	sy	\$ 120.00	\$ 1,640,667
430	6" Curb and Gutter	10,700	lf	\$ 15.00	\$ 160,500
530	4" Topsoil	13,078	sy	\$ 5.00	\$ 65,389
630	10' Concrete Sidewalk	53,500	sf	\$ 10.00	\$ 535,000
728	Auxiliary Lanes and Median Openings Allotment	1,074	sf	\$ 128.00	\$ 137,479
Paving Construction Cost Subtotal:					\$ 2,951,579
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	88,547
✓	Traffic Control		3%	\$	88,547
✓	Pavement Markings/Markers		2%	\$	59,032
✓	Roadway Drainage	Standard Internal System	20%	\$	590,316
✓	Illumination		3%	\$	78,386
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,039,500	\$	1,039,500
✓	Water/Sewer	Minor Adjustments	7%	\$	206,611
✓	Establish Turf / Erosion Control		1%	\$	29,516
✓	Basic Landscaping		2%	\$	59,032
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 2,239,486
Paving and Allowance Subtotal:					\$ 5,191,065
Construction Contingency:					15% \$ 778,660
Construction Cost TOTAL:					\$ 5,970,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,970,000
Engineering/Survey/Testing:		18%	\$ 1,074,600
Mobilization		5%	\$ 298,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 597,000
Impact Fee Project Cost TOTAL:			\$ 7,940,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-20	
Name:	Willow Springs (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.			
Limits:	1235' S of Singleton to US 287 NBFR				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	2,480				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	7,440	cy	\$ 38.00	\$ 282,720
223	6" Lime Stabilization (with Lime @ 32#/sy)	14,329	sy	\$ 8.00	\$ 114,631
323	11" Concrete Pavement	13,227	sy	\$ 120.00	\$ 1,587,200
423	6" Curb and Gutter	9,920	lf	\$ 15.00	\$ 148,800
523	4" Topsoil	11,573	sy	\$ 5.00	\$ 57,867
623	10' Concrete Sidewalk	49,600	sf	\$ 10.00	\$ 496,000
721	Auxiliary Lanes and Median Openings Allotment	996	sf	\$ 128.00	\$ 127,457
Paving Construction Cost Subtotal:					\$ 2,814,675
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	84,440
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	84,440
✓	Pavement Markings/Markers		2%	\$	56,293
✓	Roadway Drainage	Standard Internal System	20%	\$	562,935
✓	Illumination		3%	\$	74,750
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	197,027
✓	Establish Turf / Erosion Control		1%	\$	28,147
✓	Basic Landscaping		2%	\$	56,293
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,144,327
Paving and Allowance Subtotal:					\$ 3,959,001
Construction Contingency:					15% \$ 593,850
Construction Cost TOTAL:					\$ 4,553,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,553,000
Engineering/Survey/Testing:		18%	\$ 819,540
Mobilization		5%	\$ 227,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 455,300
Impact Fee Project Cost TOTAL:			\$ 6,055,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-21
Name:	Willow Springs (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	US 287 NBFR to 450' N of Blue Mound			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	975			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,817	cy	\$ 38.00	\$ 107,033
230	6" Lime Stabilization (with Lime @ 32#/sy)	5,417	sy	\$ 8.00	\$ 43,333
330	11" Concrete Pavement	4,983	sy	\$ 120.00	\$ 598,000
430	6" Curb and Gutter	3,900	lf	\$ 15.00	\$ 58,500
530	4" Topsoil	4,767	sy	\$ 5.00	\$ 23,833
630	10' Concrete Sidewalk	19,500	sf	\$ 10.00	\$ 195,000
728	Auxiliary Lanes and Median Openings Allotment	391	sf	\$ 128.00	\$ 50,109
Paving Construction Cost Subtotal:					\$ 1,075,809
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 32,274
✓	Traffic Control			3%	\$ 32,274
✓	Pavement Markings/Markers			2%	\$ 21,516
✓	Roadway Drainage	Standard Internal System		20%	\$ 215,162
✓	Illumination			3%	\$ 28,571
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 75,307
✓	Establish Turf / Erosion Control			1%	\$ 10,758
✓	Basic Landscaping			2%	\$ 21,516
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 437,378
Paving and Allowance Subtotal:					\$ 1,513,187
Construction Contingency:					15% \$ 226,978
Construction Cost TOTAL:					\$ 1,741,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,741,000
Engineering/Survey/Testing:		18%	\$ 313,380
Mobilization		5%	\$ 87,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 174,100
Impact Fee Project Cost TOTAL:			\$ 2,316,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	B-22
Name:	Willow Springs (5)	This project consists of the previously built four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$2,418,592 to this project.		
Limits:	450' N of Blue Mound to Blue Mound			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	445			
Service Area(s):	B			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	3,075,839
Previous City contribution	SA B Impact Fees		\$	(657,247)
Other				
Impact Fee Project Cost TOTAL:			\$	2,418,592

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	B-23
Name:	Willow Springs (6)	This project consists of the previously built four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$8,414,981 to this project.		
Limits:	Blue Mound to 400' S of Eagle			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,815			
Service Area(s):	B			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	10,701,733
Previous City contribution	SA B Impact Fees		\$	(2,286,752)
Other				
Impact Fee Project Cost TOTAL:			\$	8,414,981

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-24	
Name:	Willow Springs (7)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	Blue Mound to 510' S of Twisting Star				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,130				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	6,153	cy	\$ 38.00	\$ 233,827
230	6" Lime Stabilization (with Lime @ 32#/sy)	11,833	sy	\$ 8.00	\$ 94,667
330	11" Concrete Pavement	10,887	sy	\$ 120.00	\$ 1,306,400
430	6" Curb and Gutter	8,520	lf	\$ 15.00	\$ 127,800
530	4" Topsoil	10,413	sy	\$ 5.00	\$ 52,067
630	10' Concrete Sidewalk	42,600	sf	\$ 10.00	\$ 426,000
728	Auxiliary Lanes and Median Openings Allotment	855	sf	\$ 128.00	\$ 109,469
Paving Construction Cost Subtotal:					\$ 2,350,229
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	70,507
✓	Traffic Control		3%	\$	70,507
✓	Pavement Markings/Markers		2%	\$	47,005
✓	Roadway Drainage	Standard Internal System	20%	\$	470,046
✓	Illumination		3%	\$	62,416
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	164,516
✓	Establish Turf / Erosion Control		1%	\$	23,502
✓	Basic Landscaping		2%	\$	47,005
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 955,503
Paving and Allowance Subtotal:					\$ 3,305,732
Construction Contingency:					15% \$ 495,860
Construction Cost TOTAL:					\$ 3,802,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,802,000
Engineering/Survey/Testing:		18%	\$ 684,360
Mobilization		5%	\$ 190,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 380,200
Impact Fee Project Cost TOTAL:			\$ 5,057,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	B-25
Name:	Avondale Haslet (1)	This project consists of the previously completed four-lane divided commercial connector. The City contributed \$3,007,176 to this project.		
Limits:	US 287 NBFR to 1715' E of US 287 NBFR			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,715			
Service Area(s):	B			
Impact Fee Project Cost TOTAL:			\$	3,007,176

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	B-26
Name:	Avondale Haslet (2)	This project consists of the previously completed four-lane divided commercial connector. The City contributed \$2,004,784 to this project.		
Limits:	1715' E of US 287 NBFR to Bates Aston			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	2,505			
Service Area(s):	B			
Impact Fee Project Cost TOTAL:			\$	2,004,784

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-27	
Name:	Avondale Haslet (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	455' W of Willow Ranch to Willow Springs				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,855				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	5,359	cy	\$ 38.00	\$ 203,638
230	6" Lime Stabilization (with Lime @ 32#/sy)	10,306	sy	\$ 8.00	\$ 82,444
330	11" Concrete Pavement	9,481	sy	\$ 120.00	\$ 1,137,733
430	6" Curb and Gutter	7,420	lf	\$ 15.00	\$ 111,300
530	4" Topsoil	9,069	sy	\$ 5.00	\$ 45,344
630	10' Concrete Sidewalk	37,100	sf	\$ 10.00	\$ 371,000
728	Auxiliary Lanes and Median Openings Allotment	745	sf	\$ 128.00	\$ 95,336
Paving Construction Cost Subtotal:					\$ 2,046,796
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	61,404
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	61,404
✓	Pavement Markings/Markers		2%	\$	40,936
✓	Roadway Drainage	Standard Internal System	20%	\$	409,359
✓	Illumination		3%	\$	54,357
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	143,276
✓	Establish Turf / Erosion Control		1%	\$	20,468
✓	Basic Landscaping		2%	\$	40,936
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 832,140
Paving and Allowance Subtotal:					\$ 2,878,936
Construction Contingency:					15% \$ 431,840
Construction Cost TOTAL:					\$ 3,311,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,311,000
Engineering/Survey/Testing:		18%	\$ 595,980
Mobilization		5%	\$ 165,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 331,100
Impact Fee Project Cost TOTAL:			\$ 4,404,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-28
Name:	Avondale Haslet (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Willow Springs to Sendera Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,155			
Service Area(s):	B			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	9,114	cy	\$ 38.00	\$ 346,349
230	6" Lime Stabilization (with Lime @ 32#/sy)	17,528	sy	\$ 8.00	\$ 140,222
330	11" Concrete Pavement	16,126	sy	\$ 120.00	\$ 1,935,067
430	6" Curb and Gutter	12,620	lf	\$ 15.00	\$ 189,300
530	4" Topsoil	15,424	sy	\$ 5.00	\$ 77,122
630	10' Concrete Sidewalk	63,100	sf	\$ 10.00	\$ 631,000
728	Auxiliary Lanes and Median Openings Allotment	1,267	sf	\$ 128.00	\$ 162,148
Paving Construction Cost Subtotal:					\$ 3,481,208
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 104,436
✓	Traffic Control			3%	\$ 104,436
✓	Pavement Markings/Markers			2%	\$ 69,624
✓	Roadway Drainage	Standard Internal System		20%	\$ 696,242
✓	Illumination			3%	\$ 92,452
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 243,685
✓	Establish Turf / Erosion Control			1%	\$ 34,812
✓	Basic Landscaping			2%	\$ 69,624
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,415,311
Paving and Allowance Subtotal:					\$ 4,896,518
Construction Contingency:					15% \$ 734,478
Construction Cost TOTAL:					\$ 5,631,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,631,000
Engineering/Survey/Testing:		18%	\$ 1,013,580
Mobilization		5%	\$ 281,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 563,100
Impact Fee Project Cost TOTAL:			\$ 7,489,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.		B-29
Name:	Avondale Haslet (5)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Sendera Ranch to 1015' E of Sendera Ranch				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,015				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,932	cy	\$ 38.00	\$ 111,424
230	6" Lime Stabilization (with Lime @ 32#/sy)	5,639	sy	\$ 8.00	\$ 45,111
330	11" Concrete Pavement	5,188	sy	\$ 120.00	\$ 622,533
430	6" Curb and Gutter	4,060	lf	\$ 15.00	\$ 60,900
530	4" Topsoil	4,962	sy	\$ 5.00	\$ 24,811
630	10' Concrete Sidewalk	20,300	sf	\$ 10.00	\$ 203,000
728	Auxiliary Lanes and Median Openings Allotment	408	sf	\$ 128.00	\$ 52,165
Paving Construction Cost Subtotal:					\$ 1,119,945
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	33,598
✓	Traffic Control		3%	\$	33,598
✓	Pavement Markings/Markers		2%	\$	22,399
✓	Roadway Drainage	Standard Internal System	20%	\$	223,989
✓	Illumination		3%	\$	29,743
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	78,396
✓	Establish Turf / Erosion Control		1%	\$	11,199
✓	Basic Landscaping		2%	\$	22,399
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 455,322
Paving and Allowance Subtotal:					\$ 1,575,267
Construction Contingency:					15% \$ 236,290
Construction Cost TOTAL:					\$ 1,812,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,812,000
Engineering/Survey/Testing:		18%	\$ 326,160
Mobilization		5%	\$ 90,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 181,200
Impact Fee Project Cost TOTAL:			\$ 2,410,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-30	
Name:	Avondale Haslet (6)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	1015' E of Sendera Ranch to 1360' W of John Day				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,590				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,371	cy	\$ 38.00	\$ 394,102
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,944	sy	\$ 8.00	\$ 159,556
330	11" Concrete Pavement	18,349	sy	\$ 120.00	\$ 2,201,867
430	6" Curb and Gutter	14,360	lf	\$ 15.00	\$ 215,400
530	4" Topsoil	17,551	sy	\$ 5.00	\$ 87,756
630	10' Concrete Sidewalk	71,800	sf	\$ 10.00	\$ 718,000
728	Auxiliary Lanes and Median Openings Allotment	1,441	sf	\$ 128.00	\$ 184,504
Paving Construction Cost Subtotal:					\$ 3,961,184
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	118,836
✓	Traffic Control		3%	\$	118,836
✓	Pavement Markings/Markers		2%	\$	79,224
✓	Roadway Drainage	Standard Internal System	20%	\$	792,237
✓	Illumination		3%	\$	105,198
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	277,283
✓	Establish Turf / Erosion Control		1%	\$	39,612
✓	Basic Landscaping		2%	\$	79,224
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,610,449
Paving and Allowance Subtotal:					\$ 5,571,633
Construction Contingency:					15% \$ 835,745
Construction Cost TOTAL:					\$ 6,408,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,408,000
Engineering/Survey/Testing:		18%	\$ 1,153,440
Mobilization		5%	\$ 320,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 640,800
Impact Fee Project Cost TOTAL:			\$ 8,523,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-31	
Name:	Blue Mound (1)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Hicks Avondale School Rd to 700' W of Eagle				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	4,045				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	11,686	cy	\$ 38.00	\$ 444,051
230	6" Lime Stabilization (with Lime @ 32#/sy)	22,472	sy	\$ 8.00	\$ 179,778
330	11" Concrete Pavement	20,674	sy	\$ 120.00	\$ 2,480,933
430	6" Curb and Gutter	16,180	lf	\$ 15.00	\$ 242,700
530	4" Topsoil	19,776	sy	\$ 5.00	\$ 98,878
630	10' Concrete Sidewalk	80,900	sf	\$ 10.00	\$ 809,000
728	Auxiliary Lanes and Median Openings Allotment	1,624	sf	\$ 128.00	\$ 207,888
Paving Construction Cost Subtotal:					\$ 4,463,228
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	133,897
✓	Traffic Control		3%	\$	133,897
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	89,265
✓	Roadway Drainage		20%	\$	892,646
✓	Illumination		3%	\$	118,531
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	312,426
✓	Establish Turf / Erosion Control		1%	\$	44,632
✓	Basic Landscaping		2%	\$	89,265
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,814,558
Paving and Allowance Subtotal:					\$ 6,277,787
Construction Contingency:					15% \$ 941,668
Construction Cost TOTAL:					\$ 7,220,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,220,000
Engineering/Survey/Testing:		18%	\$ 1,299,600
Mobilization		5%	\$ 361,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,444,000
Impact Fee Project Cost TOTAL:			\$ 10,325,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	B-32
Name:	Blue Mound (2)	This project consists of the previously completed four-lane divided commercial connector. The City contributed \$12,687,319 to this project.		
Limits:	Willow Springs to US 287			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,870			
Service Area(s):	B			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost		-	\$	15,631,319
Previous City contribution	SA B Impact Fees		\$	(2,944,000)
Other				
Impact Fee Project Cost TOTAL:			\$	12,687,319

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.		B-33
Name:	Blue Mound (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	US 287 to Wagley Robertson				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	3,425				
Service Area(s):	B				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	10,275	cy	\$ 38.00	\$ 390,450
223	6" Lime Stabilization (with Lime @ 32#/sy)	19,789	sy	\$ 8.00	\$ 158,311
323	11" Concrete Pavement	18,267	sy	\$ 120.00	\$ 2,192,000
423	6" Curb and Gutter	13,700	lf	\$ 15.00	\$ 205,500
523	4" Topsoil	15,983	sy	\$ 5.00	\$ 79,917
623	10' Concrete Sidewalk	68,500	sf	\$ 10.00	\$ 685,000
721	Auxiliary Lanes and Median Openings Allotment	1,375	sf	\$ 128.00	\$ 176,024
Paving Construction Cost Subtotal:					\$ 3,887,202
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	116,616
✓	Traffic Control		3%	\$	116,616
✓	Pavement Markings/Markers		2%	\$	77,744
✓	Roadway Drainage		20%	\$	777,440
✓	Illumination		3%	\$	103,234
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	272,104
✓	Establish Turf / Erosion Control		1%	\$	38,872
✓	Basic Landscaping		2%	\$	77,744
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,580,370
Paving and Allowance Subtotal:					\$ 5,467,573
Construction Contingency:					15% \$ 820,136
Construction Cost TOTAL:					\$ 6,288,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,288,000
Engineering/Survey/Testing:		18%	\$ 1,131,840
Mobilization		5%	\$ 314,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 628,800
Impact Fee Project Cost TOTAL:			\$ 8,363,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	B-34
Name:	John Day (7)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	6250' N of Avondale Haslet to Avondale Haslet			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	6,250			
Service Area(s):	B, Haslet			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	20,486	cy	\$ 38.00	\$ 778,472
233	6" Lime Stabilization (with Lime @ 32#/sy)	40,278	sy	\$ 8.00	\$ 322,222
333	11" Concrete Pavement	38,889	sy	\$ 120.00	\$ 4,666,667
433	6" Curb and Gutter	12,500	lf	\$ 15.00	\$ 187,500
533	4" Topsoil	23,611	sy	\$ 5.00	\$ 118,056
633	10' Concrete Sidewalk	125,000	sf	\$ 10.00	\$ 1,250,000
731	Auxiliary Lanes and Median Openings Allotment	1,065	sf	\$ 128.00	\$ 136,364
Paving Construction Cost Subtotal:					\$ 7,459,280
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 223,778
✓	Traffic Control			3%	\$ 223,778
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 149,186
✓	Roadway Drainage			20%	\$ 1,491,856
✓	Illumination			3%	\$ 198,099
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 522,150
✓	Establish Turf / Erosion Control			1%	\$ 74,593
✓	Basic Landscaping			2%	\$ 149,186
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,032,625
Paving and Allowance Subtotal:					\$ 10,491,905
Construction Contingency:					15% \$ 1,573,786
Construction Cost TOTAL:					\$ 12,066,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,066,000
Engineering/Survey/Testing:		18%	\$ 2,171,880
Mobilization		5%	\$ 603,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,413,200
Impact Fee Project Cost TOTAL:			\$ 17,254,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

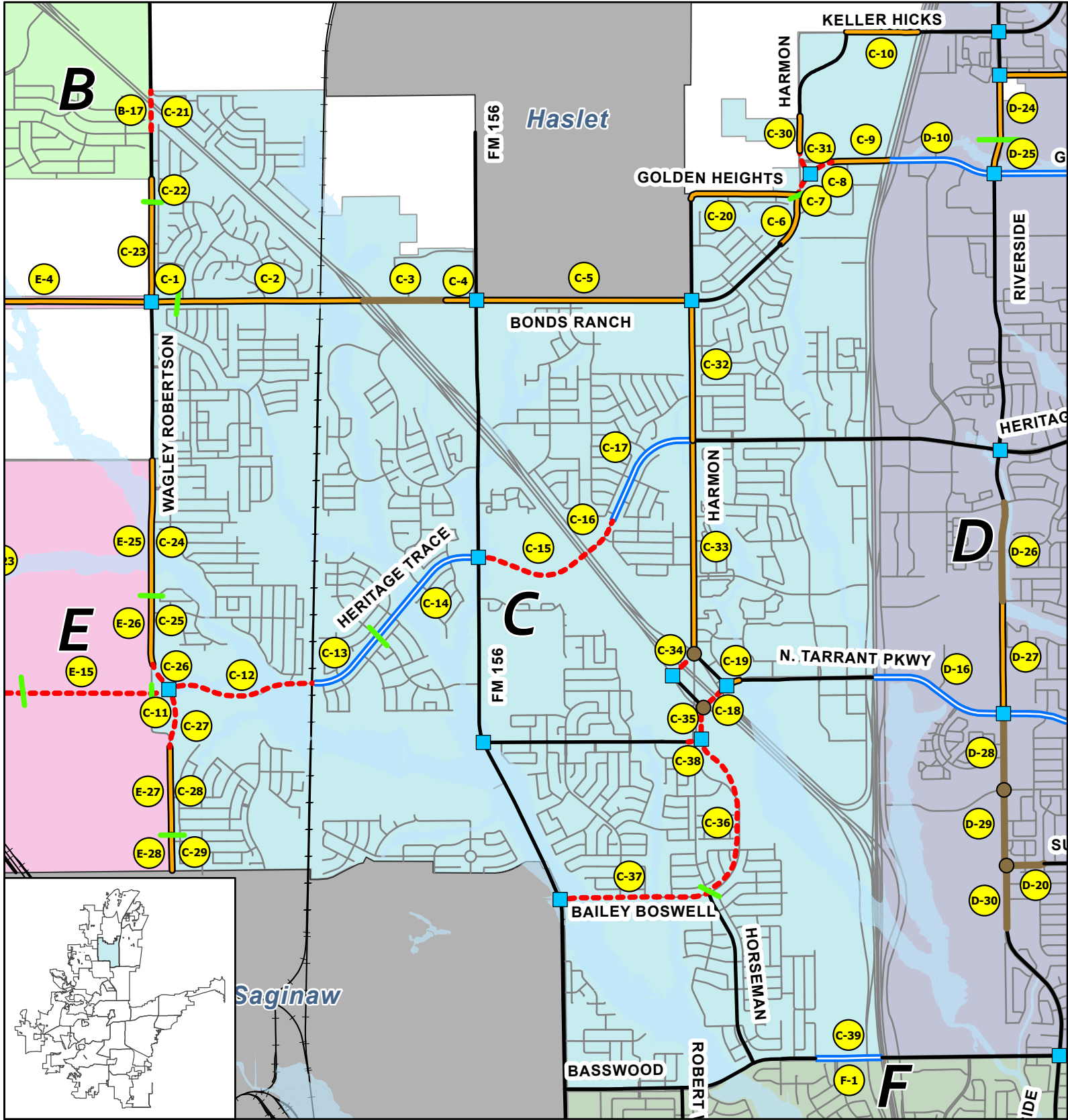
5/25/2022

Project Information:		Description:	Project No.	B-35	
Name:	John Day (8)	This project consists of the reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	Blue Mound to 3425' N of Blue Mound				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,425				
Service Area(s):	B, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	9,894	cy	\$ 38.00	\$ 375,989
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,028	sy	\$ 8.00	\$ 152,222
330	11" Concrete Pavement	17,506	sy	\$ 120.00	\$ 2,100,667
430	6" Curb and Gutter	13,700	lf	\$ 15.00	\$ 205,500
530	4" Topsoil	16,744	sy	\$ 5.00	\$ 83,722
630	10' Concrete Sidewalk	68,500	sf	\$ 10.00	\$ 685,000
728	Auxiliary Lanes and Median Openings Allotment	1,375	sf	\$ 128.00	\$ 176,024
Paving Construction Cost Subtotal:					\$ 3,779,124
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	113,374
✓	Traffic Control		3%	\$	113,374
✓	Pavement Markings/Markers		2%	\$	75,582
✓	Roadway Drainage	Standard Internal System	20%	\$	755,825
✓	Illumination		3%	\$	100,363
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	264,539
✓	Establish Turf / Erosion Control		1%	\$	37,791
✓	Basic Landscaping		2%	\$	75,582
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,536,431
Paving and Allowance Subtotal:					\$ 5,315,555
Construction Contingency:					15% \$ 797,333
Construction Cost TOTAL:					\$ 6,113,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,113,000
Engineering/Survey/Testing:		18%	\$ 1,100,340
Mobilization		5%	\$ 305,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 611,300
Impact Fee Project Cost TOTAL:			\$ 8,130,000

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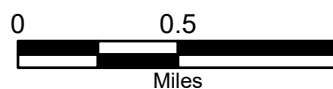
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA C)



Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area C

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
C-1	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Bonds Ranch (5)	Wagley Robertson to 625' E of Wagley Robertson	Widening	100%	\$ 1,561,000	\$ 1,561,000
C-2	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Bonds Ranch (6)	625' E Wagley Robertson to US 287	Widening	100%	\$ 17,371,000	\$ 17,371,000
C-3	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Bonds Ranch (7)	HWY 287 & 81 to 735' from FM 156	Recent	100%	\$ 8,320,302	\$ 8,320,302
C-4	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Bonds Ranch (8)	HWY 287 & 81 to FM 156	Widening	100%	\$ 1,913,000	\$ 1,913,000
C-5	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Bonds Ranch (9)	FM 156 to Harmon	Widening	100%	\$ 13,226,000	\$ 13,226,000
C-6	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Golden Triangle (1)	470' E of Misty Redwood to Golden Heights	Widening	100%	\$ 1,704,000	\$ 1,704,000
C-7	CCO-L2-T0-NTMS-P0-BOP (110)	Golden Triangle (2)	Golden Heights to Harmon (Future)	New	100%	\$ 1,563,000	\$ 1,563,000
C-8	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Golden Triangle (3)	Harmon (Future) to 615' E of Harmon	New	100%	\$ 1,697,000	\$ 1,697,000
C-9	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (4)	615' E of Harmon to I-35W	Widening	100%	\$ 1,043,000	\$ 1,043,000
C-10	NCO-L2-T0-NTMS-P0-BOP (110)	Keller Hicks (1)	Harmon (Future) to IH-35W SBFR	Widening	50%	\$ 4,167,000	\$ 2,083,500
C-11	CCO-L3-T0-NTMS-P0-BLB (130) (W)	Heritage Trace (8)	Wagley Robertson to Wagley Robertson (Future)	New	100%	\$ 1,254,000	\$ 1,254,000
C-12	NCO-L3-T0-NTMS-P0-BLS (130) (W)	Heritage Trace (9)	Wagley Robertson (Future) to Rock Hibiscus Dr	New	100%	\$ 22,128,000	\$ 22,128,000
C-13	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	Heritage Trace (10)	Rock Hibiscus to Copper Crossing	Median	100%	\$ 1,448,000	\$ 1,448,000
C-14	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	Heritage Trace (11)	Copper Crossing to FM 156	Median	100%	\$ 2,389,000	\$ 2,389,000
C-15	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Heritage Trace (12)	FM 156 to US 287	New	100%	\$ 7,479,000	\$ 7,479,000
C-16	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Heritage Trace (13)	US 287 to 1145' E of US 287	New	100%	\$ 4,234,000	\$ 4,234,000
C-17	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Heritage Trace (14)	1145' E of HWY 287 & 81 to Harmon	Median	100%	\$ 2,216,000	\$ 2,216,000
C-18	NCO-L2-T0-NTMS-P0-BLS (110)	N. Tarrant Pkwy (1)	Harmon A-1 to HWY 287 NB Ramps	New	100%	\$ 4,184,000	\$ 4,184,000
C-19	CCO-L3-T0-NTMS-P0-BLB (130) (W)	N. Tarrant Pkwy (2)	US 287 NBFR to 335' E of US 287 NBFR	Widening	100%	\$ 2,959,000	\$ 2,959,000
C-20	NCO-L1-T0-TWLT-P0-BOP (80)	Golden Heights (1)	Harmon to Golden Triangle	Widening	50%	\$ 7,187,000	\$ 3,593,500
C-21, B-17	CCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (1)	245' N of US 287 to 725' S of US 287	New	50%	\$ 3,977,000	\$ 1,988,500
C-22	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Wagley Robertson (2)	565' N of Hawks Landing to Hawks Landing	Widening	100%	\$ 722,000	\$ 722,000
C-23	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Wagley Robertson (3)	Hawks Landing to Bonds Ranch	Widening	100%	\$ 2,665,000	\$ 2,665,000
C-24, E-21	NCO-L2-T0-TWLT-P0-BOP (110)	Wagley Robertson (4)	690' N of Quicksilver to 1795' S of Bent Oak	Widening	50%	\$ 13,087,000	\$ 6,543,500
C-25, E-22	NCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (5)	220' S of Prairie Clover to 543' N of Coneflower	Widening	50%	\$ 4,059,000	\$ 2,029,500
C-26	NCO-L2-T0-NTMS-P0-BOP (110)	Wagley Robertson (6)	735' N of Heritage Trace to Heritage Trace	New	100%	\$ 1,876,000	\$ 1,876,000
C-27	NCO-L1-T0-TWLT-P0-BOP (80)	Wagley Robertson (7)	Heritage Trace to 1465' S of Heritage Trace	New	100%	\$ 2,813,000	\$ 2,813,000
C-28, E-23	NCO-L1-T0-TWLT-P0-BOP (80)	Wagley Robertson (8)	1230' N of Running Water to 1995' N of Bailey Boswell	Widening	50%	\$ 3,865,000	\$ 1,932,500
C-29, E-24	NCO-L1-T0-TWLT-P0-BOP (80)	Wagley Robertson (9)	145' N of Mystic River to 715' S of Mystic River	Widening	50%	\$ 1,536,000	\$ 768,000
C-30	CCO-L1-T0-TWLT-P0-BOP (80)	Harmon (1)	2475' S of Keller Hicks to 640' N of Golden Triangle	Widening	50%	\$ 1,585,000	\$ 792,500
C-31	CCO-L1-T0-TWLT-P0-BOP (80)	Harmon (2)	640' N of Golden Triangle to Golden Triangle	New	100%	\$ 1,276,000	\$ 1,276,000
C-32	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Harmon (3)	Bonds Ranch to Heritage Trace	Widening	100%	\$ 4,273,000	\$ 4,273,000
C-33	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Harmon (4)	Heritage Trace to US 287 NBFR	Widening	100%	\$ 10,410,000	\$ 10,410,000
C-34	NCO-L2-T0-TWLT-P0-BOP (110)	Harmon (5)	US 287 NBFR to US 287 SBFR	New	100%	\$ 4,244,000	\$ 4,244,000
C-35	NCO-L2-T0-NTMS-P0-BLS (110)	Harmon (6)	N. Tarrant to Bailey Boswell	New	100%	\$ 6,245,000	\$ 6,245,000
C-36	NCO-L2-T0-TWLT-P0-BOP (110)	Bailey Boswell (3)	Harmon to Horseman	New	100%	\$ 11,982,000	\$ 11,982,000
C-37	NCO-L2-T0-NTMS-P0-BOP (110)	Bailey Boswell (4)	FM 156 to Horseman	New	100%	\$ 14,301,000	\$ 14,301,000
C-38	NCO-L2-T0-NTMS-P0-BLS (110)	Harmon (7)	330' W of Bailey Boswell to Bailey Boswell	New	100%	\$ 858,000	\$ 858,000
C-39, F-1	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Basswood (1)	Candler to IH-35W	Median	50%	\$ 1,178,000	\$ 589,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Bailey Boswell	FM 156	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Bonds Ranch	FM 156	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Bonds Ranch	Harmon	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Bonds Ranch	Wagley Robertson	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Golden Triangle	Harmon	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Harmon	FM 156	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Harmon	Bailey Boswell	New	100%	\$ 1,500,000	\$ 1,500,000
	Roundabout	Harmon	US 287 NBFR	Recent	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Harmon	US 287 SBFR	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Heritage Trace	Wagley Robertson	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Heritage Trace	FM 156	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Roundabout	N. Tarrant	US 287 SBFR	Recent	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	N. Tarrant	US 287 NBFR	New	100%	\$ 1,500,000	\$ 1,500,000

NOTES:

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- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Bonds Ranch (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector with a wide median.	C-1
Limits:	Wagley Robertson to 625' E of Wagley Robertson		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (If):	625		
Service Area(s):	C, ETJ		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	2,569	cy	\$ 38.00	\$ 97,639
213	6" Lime Stabilization (with Lime @ 32#/sy)	3,472	sy	\$ 8.00	\$ 27,778
313	11" Concrete Pavement	3,194	sy	\$ 120.00	\$ 383,333
413	6" Curb and Gutter	2,500	lf	\$ 15.00	\$ 37,500
513	4" Topsoil	4,444	sy	\$ 5.00	\$ 22,222
613	10' Concrete Sidewalk	12,500	sf	\$ 10.00	\$ 125,000
711	Auxiliary Lanes and Median Openings Allotment	251	sf	\$ 128.00	\$ 32,121
Paving Construction Cost Subtotal:					\$ 725,593
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	21,768
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	21,768
✓	Pavement Markings/Markers		2%	\$	14,512
✓	Roadway Drainage	Standard Internal System	20%	\$	145,119
✓	Illumination		3%	\$	19,270
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	50,792
✓	Establish Turf / Erosion Control		1%	\$	7,256
✓	Basic Landscaping		2%	\$	14,512
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 294,995
Paving and Allowance Subtotal:					\$ 1,020,589
Construction Contingency:					15% \$ 153,088
Construction Cost TOTAL:					\$ 1,174,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,174,000
Engineering/Survey/Testing:		18%	\$ 211,320
Mobilization		5%	\$ 58,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 117,400
Impact Fee Project Cost TOTAL:			\$ 1,561,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-2	
Name:	Bonds Ranch (6)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector with a wide median.			
Limits:	625' E Wagley Robertson to US 287				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	4,585				
Service Area(s):	C				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	18,849	cy	\$ 38.00	\$ 716,279
213	6" Lime Stabilization (with Lime @ 32#/sy)	25,472	sy	\$ 8.00	\$ 203,778
313	11" Concrete Pavement	23,434	sy	\$ 120.00	\$ 2,812,133
413	6" Curb and Gutter	18,340	lf	\$ 15.00	\$ 275,100
513	4" Topsoil	32,604	sy	\$ 5.00	\$ 163,022
613	10' Concrete Sidewalk	91,700	sf	\$ 10.00	\$ 917,000
711	Auxiliary Lanes and Median Openings Allotment	1,841	sf	\$ 128.00	\$ 235,641
Paving Construction Cost Subtotal:					\$ 5,322,953
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	159,689
✓	Traffic Control		3%	\$	159,689
✓	Pavement Markings/Markers		2%	\$	106,459
✓	Roadway Drainage	Standard Internal System	20%	\$	1,064,591
✓	Illumination		3%	\$	141,363
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 3,000,000	\$	3,000,000
✓	Water/Sewer	Minor Adjustments	7%	\$	372,607
✓	Establish Turf / Erosion Control		1%	\$	53,230
✓	Basic Landscaping		2%	\$	106,459
✓	Other:	At-Grade Railroad Crossing	\$1,000,000	\$	1,000,000
Allowance Subtotal:					\$ 6,164,086
Paving and Allowance Subtotal:					\$ 11,487,039
Construction Contingency:					15% \$ 1,573,056
Construction Cost TOTAL:					\$ 13,061,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,061,000
Engineering/Survey/Testing:		18%	\$ 2,350,980
Mobilization		5%	\$ 653,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,306,100
Impact Fee Project Cost TOTAL:			\$ 17,371,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-3
Name:	Bonds Ranch (7)	This project consists of the construction of the six-lane divided section commercial connector as part of the 2018 Bond Program. The City contributed \$8,320,302 to this project.		
Limits:	HWY 287 & 81 to 735' from FM 156			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,020			
Service Area(s):	C			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Construction:		-	\$	11,264,302
Previous City contribution	SA C Impact Fees		\$	(2,944,000)
Other				
Impact Fee Project Cost TOTAL:			\$	8,320,302

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-4	
Name:	Bonds Ranch (8)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector with a wide median.			
Limits:	HWY 287 & 81 to FM 156				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	745				
Service Area(s):	C				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	3,146	cy	\$ 38.00	\$ 119,531
206	6" Lime Stabilization (with Lime @ 32#/sy)	4,304	sy	\$ 8.00	\$ 34,436
306	11" Concrete Pavement	3,973	sy	\$ 120.00	\$ 476,800
406	6" Curb and Gutter	2,980	lf	\$ 15.00	\$ 44,700
506	4" Topsoil	5,132	sy	\$ 5.00	\$ 25,661
606	10' Concrete Sidewalk	14,900	sf	\$ 10.00	\$ 149,000
704	Auxiliary Lanes and Median Openings Allotment	299	sf	\$ 128.00	\$ 38,288
Paving Construction Cost Subtotal:					\$ 888,416
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
√	Prep ROW		3%	\$	26,652
√	Traffic Control	Construction Phase Traffic Control	3%	\$	26,652
√	Pavement Markings/Markers		2%	\$	17,768
√	Roadway Drainage	Standard Internal System	20%	\$	177,683
√	Illumination		3%	\$	23,594
	Special Drainage Structures	None Anticipated	\$ -	\$	-
√	Water/Sewer	Minor Adjustments	7%	\$	62,189
√	Establish Turf / Erosion Control		1%	\$	8,884
√	Basic Landscaping		2%	\$	17,768
	Other:			\$	-
Allowance Subtotal:					\$ 361,192
Paving and Allowance Subtotal:					\$ 1,249,608
Construction Contingency:					15% \$ 187,441
Construction Cost TOTAL:					\$ 1,438,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,438,000
Engineering/Survey/Testing:		18%	\$ 258,840
Mobilization		5%	\$ 71,900
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 143,800
Impact Fee Project Cost TOTAL:			\$ 1,913,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.
Name:	Bonds Ranch (9)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector with a wide median.	C-5
Limits:	FM 156 to Harmon		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)		
Ultimate Class:			
Length (lf):	6 Lane Divided Neighborhood Connector		
Service Area(s):	5,295		
	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	21,768	cy	\$ 38.00	\$ 827,197
213	6" Lime Stabilization (with Lime @ 32#/sy)	29,417	sy	\$ 8.00	\$ 235,333
313	11" Concrete Pavement	27,063	sy	\$ 120.00	\$ 3,247,600
413	6" Curb and Gutter	21,180	lf	\$ 15.00	\$ 317,700
513	4" Topsoil	37,653	sy	\$ 5.00	\$ 188,267
613	10' Concrete Sidewalk	105,900	sf	\$ 10.00	\$ 1,059,000
711	Auxiliary Lanes and Median Openings Allotment	2,126	sf	\$ 128.00	\$ 272,131
Paving Construction Cost Subtotal:					\$ 6,147,228
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 184,417
✓	Traffic Control			3%	\$ 184,417
✓	Pavement Markings/Markers			2%	\$ 122,945
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,229,446
✓	Illumination			3%	\$ 163,254
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 430,306
✓	Establish Turf / Erosion Control			1%	\$ 61,472
✓	Basic Landscaping			2%	\$ 122,945
	Other:				\$ -
Allowance Subtotal:					\$ 2,499,200
Paving and Allowance Subtotal:					\$ 8,646,428
Construction Contingency:					15% \$ 1,296,964
Construction Cost TOTAL:					\$ 9,944,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,944,000
Engineering/Survey/Testing:		18%	\$ 1,789,920
Mobilization		5%	\$ 497,200
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 994,400
Impact Fee Project Cost TOTAL:			\$ 13,226,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No.	C-6
Name:	Golden Triangle (1)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	470' E of Misty Redwood to Golden Heights			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,335			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,003	cy	\$ 38.00	\$ 76,095
224	6" Lime Stabilization (with Lime @ 32#/sy)	3,857	sy	\$ 8.00	\$ 30,853
324	11" Concrete Pavement	3,560	sy	\$ 120.00	\$ 427,200
424	6" Curb and Gutter	2,670	lf	\$ 15.00	\$ 40,050
524	4" Topsoil	3,115	sy	\$ 5.00	\$ 15,575
624	10' Concrete Sidewalk	13,350	sf	\$ 10.00	\$ 133,500
722	Auxiliary Lanes and Median Openings Allotment	536	sf	\$ 128.00	\$ 68,611
Paving Construction Cost Subtotal:					\$ 791,884
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	23,757
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	23,757
✓	Pavement Markings/Markers		2%	\$	15,838
✓	Roadway Drainage	Standard Internal System	20%	\$	158,377
✓	Illumination		3%	\$	21,030
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	55,432
✓	Establish Turf / Erosion Control		1%	\$	7,919
✓	Basic Landscaping		2%	\$	15,838
	Other:			\$	-
Allowance Subtotal:					\$ 321,946
Paving and Allowance Subtotal:					\$ 1,113,831
Construction Contingency:					15% \$ 167,075
Construction Cost TOTAL:					\$ 1,281,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,281,000
Engineering/Survey/Testing:		18%	\$ 230,580
Mobilization		5%	\$ 64,050
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 128,100
Impact Fee Project Cost TOTAL:			\$ 1,704,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-7
Name:	Golden Triangle (2)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Golden Heights to Harmon (Future)			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	595			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	1,785	cy	\$ 38.00	\$ 67,830
223	6" Lime Stabilization (with Lime @ 32#/sy)	3,438	sy	\$ 8.00	\$ 27,502
323	11" Concrete Pavement	3,173	sy	\$ 120.00	\$ 380,800
423	6" Curb and Gutter	2,380	lf	\$ 15.00	\$ 35,700
523	4" Topsoil	2,777	sy	\$ 5.00	\$ 13,883
623	10' Concrete Sidewalk	11,900	sf	\$ 10.00	\$ 119,000
721	Auxiliary Lanes and Median Openings Allotment	239	sf	\$ 128.00	\$ 30,579
Paving Construction Cost Subtotal:					\$ 675,295
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 20,259
✓	Traffic Control			3%	\$ 20,259
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 13,506
✓	Roadway Drainage			20%	\$ 135,059
✓	Illumination			3%	\$ 17,934
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 47,271
✓	Establish Turf / Erosion Control			1%	\$ 6,753
✓	Basic Landscaping			2%	\$ 13,506
	Other:				\$ -
Allowance Subtotal:					\$ 274,546
Paving and Allowance Subtotal:					\$ 949,841
Construction Contingency:					\$ 142,476
Construction Cost TOTAL:					\$ 1,093,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,093,000
Engineering/Survey/Testing:		18%	\$ 196,740
Mobilization		5%	\$ 54,650
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 218,600
Impact Fee Project Cost TOTAL:			\$ 1,563,000

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 The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-8
Name:	Golden Triangle (3)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	Harmon (Future) to 615' E of Harmon			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:				
Length (If):	6 Lane Divided Commercial Connector			
Service Area(s):	615			
	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	2,597	cy	\$ 38.00	\$ 98,673
206	6" Lime Stabilization (with Lime @ 32#/sy)	3,553	sy	\$ 8.00	\$ 28,427
306	11" Concrete Pavement	3,280	sy	\$ 120.00	\$ 393,600
406	6" Curb and Gutter	2,460	lf	\$ 15.00	\$ 36,900
506	4" Topsoil	4,237	sy	\$ 5.00	\$ 21,183
606	10' Concrete Sidewalk	12,300	sf	\$ 10.00	\$ 123,000
704	Auxiliary Lanes and Median Openings Allotment	247	sf	\$ 128.00	\$ 31,607
Paving Construction Cost Subtotal:					\$ 733,391
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 22,002
✓	Traffic Control			3%	\$ 22,002
✓	Pavement Markings/Markers			2%	\$ 14,668
✓	Roadway Drainage	Standard Internal System		20%	\$ 146,678
✓	Illumination			3%	\$ 19,477
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 51,337
✓	Establish Turf / Erosion Control			1%	\$ 7,334
✓	Basic Landscaping			2%	\$ 14,668
	Other:				\$ -
Allowance Subtotal:					\$ 298,165
Paving and Allowance Subtotal:					\$ 1,031,556
Construction Contingency:					15% \$ 154,733
Construction Cost TOTAL:					\$ 1,187,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,187,000
Engineering/Survey/Testing:		18%	\$ 213,660
Mobilization		5%	\$ 59,350
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 237,400
Impact Fee Project Cost TOTAL:			\$ 1,697,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-9
Name:	Golden Triangle (4)	This project consists of the construction of the outside two lanes to complete the six-lane divided commercial connector.		
Limits:	615' E of Harmon to I-35W			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	1,425			
Service Area(s):	C			

Roadway Construction Cost Projection

No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	2,375	cy	\$ 38.00	\$ 90,250
205	6" Lime Stabilization (with Lime @ 32#/sy)	3,958	sy	\$ 8.00	\$ 31,667
305	11" Concrete Pavement	3,642	sy	\$ 120.00	\$ 437,000
405	6" Curb and Gutter	2,850	lf	\$ 15.00	\$ 42,750
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	486	sf	\$ 128.00	\$ 62,182
Paving Construction Cost Subtotal:					\$ 663,848

Major Construction Component Allowances:

Item Description	Notes	Allowance	Item Cost
✓ Prep ROW		3%	\$ 19,915
✓ Traffic Control	Construction Phase Traffic Control	3%	\$ 19,915
✓ Pavement Markings/Markers		2%	\$ 13,277
Roadway Drainage	None Anticipated	0%	\$ -
Illumination	None Anticipated	0%	\$ -
Special Drainage Structures	None Anticipated	\$ -	\$ -
Water/Sewer	None Anticipated	0%	\$ -
✓ Establish Turf / Erosion Control		1%	\$ 6,638
✓ Basic Landscaping		2%	\$ 13,277
Other:			\$ -

Allowance Subtotal: \$ 73,023

Paving and Allowance Subtotal: \$ 736,872

Construction Contingency: 15% \$ 110,531

Construction Cost TOTAL: \$ 848,000

Impact Fee Project Cost Summary

Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 848,000
Engineering/Survey/Testing:		18%	\$ 152,640
Mobilization		5%	\$ 42,400
Previous City contribution			
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -

Impact Fee Project Cost TOTAL: \$ 1,043,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-10
Name:	Keller Hicks (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Harmon (Future) to IH-35W SBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,755			
Service Area(s):	C, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	5,070	cy	\$ 38.00	\$ 192,660
230	6" Lime Stabilization (with Lime @ 32#/sy)	9,750	sy	\$ 8.00	\$ 78,000
330	11" Concrete Pavement	8,970	sy	\$ 120.00	\$ 1,076,400
430	6" Curb and Gutter	7,020	lf	\$ 15.00	\$ 105,300
530	4" Topsoil	8,580	sy	\$ 5.00	\$ 42,900
630	10' Concrete Sidewalk	35,100	sf	\$ 10.00	\$ 351,000
728	Auxiliary Lanes and Median Openings Allotment	705	sf	\$ 128.00	\$ 90,196
Paving Construction Cost Subtotal:					\$ 1,936,456
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	58,094
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	58,094
✓	Pavement Markings/Markers		2%	\$	38,729
✓	Roadway Drainage	Standard Internal System	20%	\$	387,291
✓	Illumination		3%	\$	51,427
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	135,552
✓	Establish Turf / Erosion Control		1%	\$	19,365
✓	Basic Landscaping		2%	\$	38,729
	Other:			\$	-
Allowance Subtotal:					\$ 787,281
Paving and Allowance Subtotal:					\$ 2,723,737
Construction Contingency:					\$ 408,561
Construction Cost TOTAL:					\$ 3,133,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,133,000
Engineering/Survey/Testing:		18%	\$ 563,940
Mobilization		5%	\$ 156,650
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 313,300
Impact Fee Project Cost TOTAL:			\$ 4,167,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-11
Name:	Heritage Trace (8)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	Wagley Robertson to Wagley Robertson (Future)			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:				
	6 Lane Divided Commercial Connector			
Length (lf):	405			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	2,025	cy	\$ 38.00	\$ 76,950
203	6" Lime Stabilization (with Lime @ 32#/sy)	2,970	sy	\$ 8.00	\$ 23,760
303	11" Concrete Pavement	2,790	sy	\$ 120.00	\$ 334,800
403	6" Curb and Gutter	1,620	lf	\$ 15.00	\$ 24,300
503	4" Topsoil	2,520	sy	\$ 5.00	\$ 12,600
603	6' Concrete Sidewalk	4,860	sf	\$ 10.00	\$ 48,600
701	Auxiliary Lanes and Median Openings Allotment	163	sf	\$ 128.00	\$ 20,815
Paving Construction Cost Subtotal:					\$ 541,825
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 16,255
✓	Traffic Control			3%	\$ 16,255
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 10,836
✓	Roadway Drainage			20%	\$ 108,365
✓	Illumination			3%	\$ 14,389
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 37,928
✓	Establish Turf / Erosion Control			1%	\$ 5,418
✓	Basic Landscaping			2%	\$ 10,836
	Other:				\$ -
Allowance Subtotal:					\$ 220,283
Paving and Allowance Subtotal:					\$ 762,107
Construction Contingency:					15% \$ 114,316
Construction Cost TOTAL:					\$ 877,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 877,000
Engineering/Survey/Testing:		18%	\$ 157,860
Mobilization		5%	\$ 43,850
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 175,400
Impact Fee Project Cost TOTAL:			\$ 1,254,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-12
Name:	Heritage Trace (9)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Wagley Robertson (Future) to Rock Hibiscus Dr			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (W)			
Ultimate Class:				
	6 Lane Divided Neighborhood Connector			
Length (lf):	3,680			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
109	Unclassified Street Excavation	15,129	cy	\$ 38.00	\$ 574,898
209	6" Lime Stabilization (with Lime @ 32#/sy)	20,444	sy	\$ 8.00	\$ 163,556
309	11" Concrete Pavement	18,809	sy	\$ 120.00	\$ 2,257,067
409	6" Curb and Gutter	14,720	lf	\$ 15.00	\$ 220,800
509	4" Topsoil	25,351	sy	\$ 5.00	\$ 126,756
609	11' Concrete Sidewalk	80,960	sf	\$ 10.00	\$ 809,600
707	Auxiliary Lanes and Median Openings Allotment	1,478	sf	\$ 128.00	\$ 189,130
Paving Construction Cost Subtotal:					\$ 4,341,805
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 130,254
✓	Traffic Control			3%	\$ 130,254
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 86,836
✓	Roadway Drainage			20%	\$ 868,361
✓	Illumination			3%	\$ 115,307
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 303,926
✓	Establish Turf / Erosion Control			1%	\$ 43,418
✓	Basic Landscaping			2%	\$ 86,836
✓	Other:	Grade Separated Railroad Crossing			\$ 5,000,000
Allowance Subtotal:					\$ 9,765,193
Paving and Allowance Subtotal:					\$ 14,106,998
Construction Contingency:					15% \$ 1,366,050
Construction Cost TOTAL:					\$ 15,474,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 15,474,000
Engineering/Survey/Testing:		18%	\$ 2,785,320
Mobilization		5%	\$ 773,700
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 3,094,800
Impact Fee Project Cost TOTAL:			\$ 22,128,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No.	C-13	
Name:	Heritage Trace (10)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.			
Limits:	Rock Hibiscus to Copper Crossing				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	2,015				
Service Area(s):	C				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	2,911	cy	\$ 38.00	\$ 110,601
210	6" Lime Stabilization (with Lime @ 32#/sy)	5,597	sy	\$ 8.00	\$ 44,778
310	11" Concrete Pavement	5,149	sy	\$ 120.00	\$ 617,933
410	6" Curb and Gutter	4,030	lf	\$ 15.00	\$ 60,450
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	687	sf	\$ 128.00	\$ 87,927
Paving Construction Cost Subtotal:					\$ 921,689
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
√	Prep ROW	Construction Phase Traffic Control	3%	\$	27,651
√	Traffic Control		3%	\$	27,651
√	Pavement Markings/Markers		2%	\$	18,434
	Roadway Drainage	None Anticipated	0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
√	Establish Turf / Erosion Control		1%	\$	9,217
√	Basic Landscaping		2%	\$	18,434
	Other:			\$	-
Allowance Subtotal:					\$ 101,386
Paving and Allowance Subtotal:					\$ 1,023,075
Construction Contingency:					15% \$ 153,461
Construction Cost TOTAL:					\$ 1,177,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,177,000
Engineering/Survey/Testing:		18%	\$ 211,860
Mobilization		5%	\$ 58,850
Previous City contribution			
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,448,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Heritage Trace (11)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.	C-14
Limits:	Copper Crossing to FM 156		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (lf):	3,325		
Service Area(s):	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	4,803	cy	\$ 38.00	\$ 182,506
210	6" Lime Stabilization (with Lime @ 32#/sy)	9,236	sy	\$ 8.00	\$ 73,889
310	11" Concrete Pavement	8,497	sy	\$ 120.00	\$ 1,019,667
410	6" Curb and Gutter	6,650	lf	\$ 15.00	\$ 99,750
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	1,134	sf	\$ 128.00	\$ 145,091
Paving Construction Cost Subtotal:					\$ 1,520,902
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	45,627
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	45,627
✓	Pavement Markings/Markers		2%	\$	30,418
	Roadway Drainage	None Anticipated	0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
✓	Establish Turf / Erosion Control		1%	\$	15,209
✓	Basic Landscaping		2%	\$	30,418
	Other:			\$	-
Allowance Subtotal:					\$ 167,299
Paving and Allowance Subtotal:					\$ 1,688,201
Construction Contingency:					15% \$ 253,230
Construction Cost TOTAL:					\$ 1,942,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,942,000
Engineering/Survey/Testing:		18%	\$ 349,560
Mobilization		5%	\$ 97,100
Previous City contribution			
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 2,389,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No. C-15
Name:	Heritage Trace (12)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.	
Limits:	FM 156 to US 287		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)		
Ultimate Class:			
Length (If):	6 Lane Divided Neighborhood Connector		
Service Area(s):	2,785		
	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	11,449	cy	\$ 38.00	\$ 435,079
213	6" Lime Stabilization (with Lime @ 32#/sy)	15,472	sy	\$ 8.00	\$ 123,778
313	11" Concrete Pavement	14,234	sy	\$ 120.00	\$ 1,708,133
413	6" Curb and Gutter	11,140	lf	\$ 15.00	\$ 167,100
513	4" Topsoil	19,804	sy	\$ 5.00	\$ 99,022
613	10' Concrete Sidewalk	55,700	sf	\$ 10.00	\$ 557,000
711	Auxiliary Lanes and Median Openings Allotment	1,118	sf	\$ 128.00	\$ 143,132
Paving Construction Cost Subtotal:					\$ 3,233,244
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	96,997
✓	Traffic Control	None Anticipated	3%	\$	96,997
✓	Pavement Markings/Markers		2%	\$	64,665
✓	Roadway Drainage	Standard Internal System	20%	\$	646,649
✓	Illumination		3%	\$	85,866
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	226,327
✓	Establish Turf / Erosion Control		1%	\$	32,332
✓	Basic Landscaping		2%	\$	64,665
	Other:			\$	-
Allowance Subtotal:					\$ 1,314,499
Paving and Allowance Subtotal:					\$ 4,547,744
Construction Contingency:					15% \$ 682,162
Construction Cost TOTAL:					\$ 5,230,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,230,000
Engineering/Survey/Testing:		18%	\$ 941,400
Mobilization		5%	\$ 261,500
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,046,000
Impact Fee Project Cost TOTAL:			\$ 7,479,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-16
Name:	Heritage Trace (13)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	US 287 to 1145' E of US 287			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	1,145			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	4,707	cy	\$ 38.00	\$ 178,874
213	6" Lime Stabilization (with Lime @ 32#/sy)	6,361	sy	\$ 8.00	\$ 50,889
313	11" Concrete Pavement	5,852	sy	\$ 120.00	\$ 702,267
413	6" Curb and Gutter	4,580	lf	\$ 15.00	\$ 68,700
513	4" Topsoil	8,142	sy	\$ 5.00	\$ 40,711
613	10' Concrete Sidewalk	22,900	sf	\$ 10.00	\$ 229,000
711	Auxiliary Lanes and Median Openings Allotment	460	sf	\$ 128.00	\$ 58,846
Paving Construction Cost Subtotal:					\$ 1,329,287
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 39,879
✓	Traffic Control			3%	\$ 39,879
✓	Pavement Markings/Markers			2%	\$ 26,586
✓	Roadway Drainage			20%	\$ 265,857
✓	Illumination	Standard Internal System		3%	\$ 35,302
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 93,050
✓	Establish Turf / Erosion Control			1%	\$ 13,293
✓	Basic Landscaping			2%	\$ 26,586
✓	Other:	US 287 Crossing			\$ 810,000
Allowance Subtotal:					\$ 1,350,431
Paving and Allowance Subtotal:					\$ 2,679,719
Construction Contingency:					15% \$ 280,458
Construction Cost TOTAL:					\$ 2,961,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,961,000
Engineering/Survey/Testing:		18%	\$ 532,980
Mobilization		5%	\$ 148,050
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 592,200
Impact Fee Project Cost TOTAL:			\$ 4,234,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-17
Name:	Heritage Trace (14)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	1145' E of HWY 287 & 81 to Harmon			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:				
	6 Lane Divided Neighborhood Connector			
Length (lf):	3,085			
Service Area(s):	C			

Roadway Construction Cost Projection

No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	4,456	cy	\$ 38.00	\$ 169,332
212	6" Lime Stabilization (with Lime @ 32#/sy)	8,569	sy	\$ 8.00	\$ 68,556
312	11" Concrete Pavement	7,884	sy	\$ 120.00	\$ 946,067
412	6" Curb and Gutter	6,170	lf	\$ 15.00	\$ 92,550
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	1,052	sf	\$ 128.00	\$ 134,618

Paving Construction Cost Subtotal: \$ 1,411,123

Major Construction Component Allowances:

Item Description	Notes	Allowance	Item Cost
✓ Prep ROW		3%	\$ 42,334
✓ Traffic Control	Construction Phase Traffic Control	3%	\$ 42,334
✓ Pavement Markings/Markers		2%	\$ 28,222
Roadway Drainage	None Anticipated	0%	\$ -
Illumination	None Anticipated	0%	\$ -
Special Drainage Structures	None Anticipated	\$ -	\$ -
Water/Sewer	None Anticipated	0%	\$ -
✓ Establish Turf / Erosion Control		1%	\$ 14,111
✓ Basic Landscaping		2%	\$ 28,222
Other:			\$ -

Allowance Subtotal: \$ 155,223

Paving and Allowance Subtotal: \$ 1,566,346

Construction Contingency: 15% \$ 234,952

Construction Cost TOTAL: \$ 1,802,000

Impact Fee Project Cost Summary

Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,802,000
Engineering/Survey/Testing:		18%	\$ 324,360
Mobilization		5%	\$ 90,100
Previous City contribution			
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -

Impact Fee Project Cost TOTAL: \$ 2,216,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-18
Name:	N. Tarrant Pkwy (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Harmon A-1 to HWY 287 NB Ramps			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	785			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	2,268	cy	\$ 38.00	\$ 86,176
228	6" Lime Stabilization (with Lime @ 32#/sy)	4,361	sy	\$ 8.00	\$ 34,889
328	11" Concrete Pavement	4,012	sy	\$ 120.00	\$ 481,467
428	6" Curb and Gutter	3,140	lf	\$ 15.00	\$ 47,100
528	4" Topsoil	3,663	sy	\$ 5.00	\$ 18,317
628	11' Concrete Sidewalk	17,270	sf	\$ 10.00	\$ 172,700
726	Auxiliary Lanes and Median Openings Allotment	315	sf	\$ 128.00	\$ 40,344
Paving Construction Cost Subtotal:					\$ 880,992
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	26,430
✓	Traffic Control		3%	\$	26,430
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	17,620
✓	Roadway Drainage		20%	\$	176,198
✓	Illumination		3%	\$	23,397
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	61,669
✓	Establish Turf / Erosion Control		1%	\$	8,810
✓	Basic Landscaping		2%	\$	17,620
✓	Other:	US 287 Crossing		\$	1,500,000
Allowance Subtotal:					\$ 1,858,174
Paving and Allowance Subtotal:					\$ 2,739,166
Construction Contingency:					15% \$ 185,875
Construction Cost TOTAL:					\$ 2,926,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,926,000
Engineering/Survey/Testing:		18%	\$ 526,680
Mobilization		5%	\$ 146,300
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 585,200
Impact Fee Project Cost TOTAL:			\$ 4,184,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	C-19
Name:	N. Tarrant Pkwy (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	US 287 NBFR to 335' E of US 287 NBFR			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	335			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	1,675	cy	\$ 38.00	\$ 63,650
203	6" Lime Stabilization (with Lime @ 32#/sy)	2,457	sy	\$ 8.00	\$ 19,653
303	11" Concrete Pavement	2,308	sy	\$ 120.00	\$ 276,933
403	6" Curb and Gutter	1,340	lf	\$ 15.00	\$ 20,100
503	4" Topsoil	2,084	sy	\$ 5.00	\$ 10,422
603	6' Concrete Sidewalk	4,020	sf	\$ 10.00	\$ 40,200
701	Auxiliary Lanes and Median Openings Allotment	135	sf	\$ 128.00	\$ 17,217
Paving Construction Cost Subtotal:					\$ 448,176
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 13,445
✓	Traffic Control			3%	\$ 13,445
✓	Pavement Markings/Markers			2%	\$ 8,964
✓	Roadway Drainage			20%	\$ 89,635
✓	Illumination	Standard Internal System		3%	\$ 11,902
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 31,372
✓	Establish Turf / Erosion Control			1%	\$ 4,482
✓	Basic Landscaping			2%	\$ 8,964
✓	Other:	US 287			\$ 1,500,000
Allowance Subtotal:					\$ 1,682,209
Paving and Allowance Subtotal:					\$ 2,130,385
Construction Contingency:					15% \$ 94,558
Construction Cost TOTAL:					\$ 2,225,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,225,000
Engineering/Survey/Testing:		18%	\$ 400,500
Mobilization		5%	\$ 111,250
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 222,500
Impact Fee Project Cost TOTAL:			\$ 2,959,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-20
Name:	Golden Heights (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Harmon to Golden Triangle			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	2,690			
Service Area(s):	C, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	5,529	cy	\$ 38.00	\$ 210,119
241	6" Lime Stabilization (with Lime @ 32#/sy)	10,760	sy	\$ 8.00	\$ 86,080
341	11" Concrete Pavement	10,162	sy	\$ 120.00	\$ 1,219,467
441	6" Curb and Gutter	5,380	lf	\$ 15.00	\$ 80,700
541	4" Topsoil	7,771	sy	\$ 5.00	\$ 38,856
641	10' Concrete Sidewalk	53,800	sf	\$ 10.00	\$ 538,000
739	Auxiliary Lanes and Median Openings Allotment	459	sf	\$ 128.00	\$ 58,691
Paving Construction Cost Subtotal:					\$ 2,231,912
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	66,957
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	66,957
✓	Pavement Markings/Markers		2%	\$	44,638
✓	Roadway Drainage	Standard Internal System	20%	\$	446,382
✓	Illumination		3%	\$	59,274
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,559,250	\$	1,559,250
✓	Water/Sewer	Minor Adjustments	7%	\$	156,234
✓	Establish Turf / Erosion Control		1%	\$	22,319
✓	Basic Landscaping		2%	\$	44,638
	Other:			\$	-
Allowance Subtotal:					\$ 2,466,650
Paving and Allowance Subtotal:					\$ 4,698,562
Construction Contingency:					\$ 704,784
Construction Cost TOTAL:					\$ 5,404,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,404,000
Engineering/Survey/Testing:		18%	\$ 972,720
Mobilization		5%	\$ 270,200
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 540,400
Impact Fee Project Cost TOTAL:			\$ 7,187,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Wagley Robertson (1)	This project consists of the construction of a new four-lane divided commercial connector.	C-21, B-17
Limits:	245' N of US 287 to 725' S of US 287		
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Commercial Connector		
Length (lf):	970		
Service Area(s):	C, B		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,910	cy	\$ 38.00	\$ 110,580
223	6" Lime Stabilization (with Lime @ 32#/sy)	5,604	sy	\$ 8.00	\$ 44,836
323	11" Concrete Pavement	5,173	sy	\$ 120.00	\$ 620,800
423	6" Curb and Gutter	3,880	lf	\$ 15.00	\$ 58,200
523	4" Topsoil	4,527	sy	\$ 5.00	\$ 22,633
623	10' Concrete Sidewalk	19,400	sf	\$ 10.00	\$ 194,000
721	Auxiliary Lanes and Median Openings Allotment	389	sf	\$ 128.00	\$ 49,852
Paving Construction Cost Subtotal:					\$ 1,100,901
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 33,027
✓	Traffic Control			3%	\$ 33,027
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 22,018
✓	Roadway Drainage			20%	\$ 220,180
✓	Illumination			3%	\$ 29,237
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 77,063
✓	Establish Turf / Erosion Control			1%	\$ 11,009
✓	Basic Landscaping	US 287 Crossing		2%	\$ 22,018
✓	Other:			\$ 1,000,000	
Allowance Subtotal:					\$ 1,447,579
Paving and Allowance Subtotal:					\$ 2,548,480
Construction Contingency:					15% \$ 232,272
Construction Cost TOTAL:					\$ 2,781,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,781,000
Engineering/Survey/Testing:		18%	\$ 500,580
Mobilization		5%	\$ 139,050
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 556,200
Impact Fee Project Cost TOTAL:			\$ 3,977,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-22
Name:	Wagley Robertson (2)	This project consists of the construction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	565' N of Hawks Landing to Hawks Landing			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	565			
Service Area(s):	C, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	848	cy	\$ 38.00	\$ 32,205
224	6" Lime Stabilization (with Lime @ 32#/sy)	1,632	sy	\$ 8.00	\$ 13,058
324	11" Concrete Pavement	1,507	sy	\$ 120.00	\$ 180,800
424	6" Curb and Gutter	1,130	lf	\$ 15.00	\$ 16,950
524	4" Topsoil	1,318	sy	\$ 5.00	\$ 6,592
624	10' Concrete Sidewalk	5,650	sf	\$ 10.00	\$ 56,500
722	Auxiliary Lanes and Median Openings Allotment	227	sf	\$ 128.00	\$ 29,038
Paving Construction Cost Subtotal:					\$ 335,142
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	10,054
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	10,054
✓	Pavement Markings/Markers		2%	\$	6,703
✓	Roadway Drainage	Standard Internal System	20%	\$	67,028
✓	Illumination		3%	\$	8,900
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	23,460
✓	Establish Turf / Erosion Control		1%	\$	3,351
✓	Basic Landscaping		2%	\$	6,703
	Other:			\$	-
Allowance Subtotal:					\$ 136,254
Paving and Allowance Subtotal:					\$ 471,396
Construction Contingency:					\$ 70,709
Construction Cost TOTAL:					\$ 543,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 543,000
Engineering/Survey/Testing:		18%	\$ 97,740
Mobilization		5%	\$ 27,150
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 54,300
Impact Fee Project Cost TOTAL:			\$ 722,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No. C-23
Name:	Wagley Robertson (3)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.	
Limits:	Hawks Landing to Bonds Ranch		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	2,145		
Service Area(s):	C, ETJ		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,098	cy	\$ 38.00	\$ 117,737
231	6" Lime Stabilization (with Lime @ 32#/sy)	5,958	sy	\$ 8.00	\$ 47,667
331	11" Concrete Pavement	5,482	sy	\$ 120.00	\$ 657,800
431	6" Curb and Gutter	4,290	lf	\$ 15.00	\$ 64,350
531	4" Topsoil	5,243	sy	\$ 5.00	\$ 26,217
631	10' Concrete Sidewalk	21,450	sf	\$ 10.00	\$ 214,500
729	Auxiliary Lanes and Median Openings Allotment	861	sf	\$ 128.00	\$ 110,240
Paving Construction Cost Subtotal:					\$ 1,238,510
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	37,155
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	37,155
✓	Pavement Markings/Markers		2%	\$	24,770
✓	Roadway Drainage	Standard Internal System	20%	\$	247,702
✓	Illumination		3%	\$	32,892
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	86,696
✓	Establish Turf / Erosion Control		1%	\$	12,385
✓	Basic Landscaping		2%	\$	24,770
	Other:			\$	-
Allowance Subtotal:					\$ 503,525
Paving and Allowance Subtotal:					\$ 1,742,035
Construction Contingency:					15% \$ 261,305
Construction Cost TOTAL:					\$ 2,004,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,004,000
Engineering/Survey/Testing:		18%	\$ 360,720
Mobilization		5%	\$ 100,200
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 200,400
Impact Fee Project Cost TOTAL:			\$ 2,665,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No. C-24, E-21
Name:	Wagley Robertson (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.	
Limits:	690' N of Quicksilver to 1795' S of Bent Oak		
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)		
Ultimate Class:	5 Lane Undivided Neighborhood Connector		
Length (lf):	3,310		
Service Area(s):	C, E		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	10,849	cy	\$ 38.00	\$ 412,279
233	6" Lime Stabilization (with Lime @ 32#/sy)	21,331	sy	\$ 8.00	\$ 170,649
333	11" Concrete Pavement	20,596	sy	\$ 120.00	\$ 2,471,467
433	6" Curb and Gutter	6,620	lf	\$ 15.00	\$ 99,300
533	4" Topsoil	12,504	sy	\$ 5.00	\$ 62,522
633	10' Concrete Sidewalk	66,200	sf	\$ 10.00	\$ 662,000
731	Auxiliary Lanes and Median Openings Allotment	564	sf	\$ 128.00	\$ 72,218
Paving Construction Cost Subtotal:					\$ 3,950,435
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 118,513
✓	Traffic Control			3%	\$ 118,513
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 79,009
✓	Roadway Drainage			20%	\$ 790,087
✓	Illumination			3%	\$ 104,913
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 276,530
✓	Establish Turf / Erosion Control			1%	\$ 39,504
✓	Basic Landscaping			2%	\$ 79,009
	Other:				\$ -
Allowance Subtotal:					\$ 4,606,078
Paving and Allowance Subtotal:					\$ 8,556,513
Construction Contingency:					15% \$ 1,283,477
Construction Cost TOTAL:					\$ 9,840,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,840,000
Engineering/Survey/Testing:		18%	\$ 1,771,200
Mobilization		5%	\$ 492,000
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 984,000
Impact Fee Project Cost TOTAL:			\$ 13,087,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-25, E-22
Name:	Wagley Robertson (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	220' S of Prairie Clover to 543' N of Coneflower			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,710			
Service Area(s):	C, E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,940	cy	\$ 38.00	\$ 187,720
230	6" Lime Stabilization (with Lime @ 32#/sy)	9,500	sy	\$ 8.00	\$ 76,000
330	11" Concrete Pavement	8,740	sy	\$ 120.00	\$ 1,048,800
430	6" Curb and Gutter	6,840	lf	\$ 15.00	\$ 102,600
530	4" Topsoil	8,360	sy	\$ 5.00	\$ 41,800
630	10' Concrete Sidewalk	34,200	sf	\$ 10.00	\$ 342,000
728	Auxiliary Lanes and Median Openings Allotment	687	sf	\$ 128.00	\$ 87,884
Paving Construction Cost Subtotal:					\$ 1,886,804
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	56,604
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	56,604
✓	Pavement Markings/Markers		2%	\$	37,736
✓	Roadway Drainage	Standard Internal System	20%	\$	377,361
✓	Illumination		3%	\$	50,108
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	132,076
✓	Establish Turf / Erosion Control		1%	\$	18,868
✓	Basic Landscaping		2%	\$	37,736
	Other:			\$	-
Allowance Subtotal:					\$ 767,094
Paving and Allowance Subtotal:					\$ 2,653,897
Construction Contingency:					\$ 398,085
Construction Cost TOTAL:					\$ 3,052,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,052,000
Engineering/Survey/Testing:		18%	\$ 549,360
Mobilization		5%	\$ 152,600
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 305,200
Impact Fee Project Cost TOTAL:			\$ 4,059,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-26
Name:	Wagley Robertson (6)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	735' N of Heritage Trace to Heritage Trace			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	735			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,123	cy	\$ 38.00	\$ 80,687
230	6" Lime Stabilization (with Lime @ 32#/sy)	4,083	sy	\$ 8.00	\$ 32,667
330	11" Concrete Pavement	3,757	sy	\$ 120.00	\$ 450,800
430	6" Curb and Gutter	2,940	lf	\$ 15.00	\$ 44,100
530	4" Topsoil	3,593	sy	\$ 5.00	\$ 17,967
630	10' Concrete Sidewalk	14,700	sf	\$ 10.00	\$ 147,000
728	Auxiliary Lanes and Median Openings Allotment	295	sf	\$ 128.00	\$ 37,775
Paving Construction Cost Subtotal:					\$ 810,995
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 24,330
✓	Traffic Control			3%	\$ 24,330
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 16,220
✓	Roadway Drainage			20%	\$ 162,199
✓	Illumination			3%	\$ 21,538
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 56,770
✓	Establish Turf / Erosion Control			1%	\$ 8,110
✓	Basic Landscaping			2%	\$ 16,220
	Other:				\$ -
Allowance Subtotal:					\$ 329,716
Paving and Allowance Subtotal:					\$ 1,140,710
Construction Contingency:					\$ 171,107
Construction Cost TOTAL:					\$ 1,312,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,312,000
Engineering/Survey/Testing:		18%	\$ 236,160
Mobilization		5%	\$ 65,600
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 262,400
Impact Fee Project Cost TOTAL:			\$ 1,876,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-27
Name:	Wagley Robertson (7)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Heritage Trace to 1465' S of Heritage Trace			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	1,465			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	3,011	cy	\$ 38.00	\$ 114,433
241	6" Lime Stabilization (with Lime @ 32#/sy)	5,860	sy	\$ 8.00	\$ 46,880
341	11" Concrete Pavement	5,534	sy	\$ 120.00	\$ 664,133
441	6" Curb and Gutter	2,930	lf	\$ 15.00	\$ 43,950
541	4" Topsoil	4,232	sy	\$ 5.00	\$ 21,161
641	10' Concrete Sidewalk	29,300	sf	\$ 10.00	\$ 293,000
739	Auxiliary Lanes and Median Openings Allotment	250	sf	\$ 128.00	\$ 31,964
Paving Construction Cost Subtotal:					\$ 1,215,521
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 36,466
✓	Traffic Control			3%	\$ 36,466
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 24,310
✓	Roadway Drainage			20%	\$ 243,104
✓	Illumination			3%	\$ 32,281
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 85,086
✓	Establish Turf / Erosion Control			1%	\$ 12,155
✓	Basic Landscaping			2%	\$ 24,310
	Other:				\$ -
Allowance Subtotal:					\$ 494,179
Paving and Allowance Subtotal:					\$ 1,709,700
Construction Contingency:					15% \$ 256,455
Construction Cost TOTAL:					\$ 1,967,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,967,000
Engineering/Survey/Testing:		18%	\$ 354,060
Mobilization		5%	\$ 98,350
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 393,400
Impact Fee Project Cost TOTAL:			\$ 2,813,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-28, E-23
Name:	Wagley Robertson (8)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	1230' N of Running Water to 1995' N of Bailey Boswell			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	2,165			
Service Area(s):	C, E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,450	cy	\$ 38.00	\$ 169,111
241	6" Lime Stabilization (with Lime @ 32#/sy)	8,660	sy	\$ 8.00	\$ 69,280
341	11" Concrete Pavement	8,179	sy	\$ 120.00	\$ 981,467
441	6" Curb and Gutter	4,330	lf	\$ 15.00	\$ 64,950
541	4" Topsoil	6,254	sy	\$ 5.00	\$ 31,272
641	10' Concrete Sidewalk	43,300	sf	\$ 10.00	\$ 433,000
739	Auxiliary Lanes and Median Openings Allotment	369	sf	\$ 128.00	\$ 47,236
Paving Construction Cost Subtotal:					\$ 1,796,316
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	53,889
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	53,889
✓	Pavement Markings/Markers		2%	\$	35,926
✓	Roadway Drainage	Standard Internal System	20%	\$	359,263
✓	Illumination		3%	\$	47,705
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	125,742
✓	Establish Turf / Erosion Control		1%	\$	17,963
✓	Basic Landscaping		2%	\$	35,926
	Other:			\$	-
Allowance Subtotal:					\$ 730,305
Paving and Allowance Subtotal:					\$ 2,526,621
Construction Contingency:					\$ 378,993
Construction Cost TOTAL:					\$ 2,906,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,906,000
Engineering/Survey/Testing:		18%	\$ 523,080
Mobilization		5%	\$ 145,300
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 290,600
Impact Fee Project Cost TOTAL:			\$ 3,865,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Wagley Robertson (9)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.	C-29, E-24
Limits:	145' N of Mystic River to 715' S of Mystic River		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	860		
Service Area(s):	C, E		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,768	cy	\$ 38.00	\$ 67,176
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,440	sy	\$ 8.00	\$ 27,520
341	11" Concrete Pavement	3,249	sy	\$ 120.00	\$ 389,867
441	6" Curb and Gutter	1,720	lf	\$ 15.00	\$ 25,800
541	4" Topsoil	2,484	sy	\$ 5.00	\$ 12,422
641	10' Concrete Sidewalk	17,200	sf	\$ 10.00	\$ 172,000
739	Auxiliary Lanes and Median Openings Allotment	147	sf	\$ 128.00	\$ 18,764
Paving Construction Cost Subtotal:					\$ 713,548
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	21,406
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	21,406
✓	Pavement Markings/Markers		2%	\$	14,271
✓	Roadway Drainage	Standard Internal System	20%	\$	142,710
✓	Illumination		3%	\$	18,950
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	49,948
✓	Establish Turf / Erosion Control		1%	\$	7,135
✓	Basic Landscaping		2%	\$	14,271
	Other:			\$	-
Allowance Subtotal:					\$ 290,098
Paving and Allowance Subtotal:					\$ 1,003,646
Construction Contingency:					\$ 150,547
Construction Cost TOTAL:					\$ 1,155,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,155,000
Engineering/Survey/Testing:		18%	\$ 207,900
Mobilization		5%	\$ 57,750
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 115,500
Impact Fee Project Cost TOTAL:			\$ 1,536,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-30
Name:	Harmon (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	2475' S of Keller Hicks to 640' N of Golden Triangle			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	855			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	1,853	cy	\$ 38.00	\$ 70,395
239	6" Lime Stabilization (with Lime @ 32#/sy)	3,610	sy	\$ 8.00	\$ 28,880
339	11" Concrete Pavement	3,420	sy	\$ 120.00	\$ 410,400
439	6" Curb and Gutter	1,710	lf	\$ 15.00	\$ 25,650
539	4" Topsoil	2,280	sy	\$ 5.00	\$ 11,400
639	10' Concrete Sidewalk	17,100	sf	\$ 10.00	\$ 171,000
737	Auxiliary Lanes and Median Openings Allotment	146	sf	\$ 128.00	\$ 18,655
Paving Construction Cost Subtotal:					\$ 736,380
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 22,091
✓	Traffic Control			3%	\$ 22,091
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 14,728
✓	Roadway Drainage			20%	\$ 147,276
✓	Illumination			3%	\$ 19,556
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 51,547
✓	Establish Turf / Erosion Control			1%	\$ 7,364
✓	Basic Landscaping			2%	\$ 14,728
	Other:				\$ -
Allowance Subtotal:					\$ 299,381
Paving and Allowance Subtotal:					\$ 1,035,760
Construction Contingency:					15% \$ 155,364
Construction Cost TOTAL:					\$ 1,192,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,192,000
Engineering/Survey/Testing:		18%	\$ 214,560
Mobilization		5%	\$ 59,600
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 119,200
Impact Fee Project Cost TOTAL:			\$ 1,585,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-31
Name:	Harmon (2)	This project consists of the construction of a new three-lane undivided commercial connector.		
Limits:	640' N of Golden Triangle to Golden Triangle			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	640			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	1,387	cy	\$ 38.00	\$ 52,693
239	6" Lime Stabilization (with Lime @ 32#/sy)	2,702	sy	\$ 8.00	\$ 21,618
339	11" Concrete Pavement	2,560	sy	\$ 120.00	\$ 307,200
439	6" Curb and Gutter	1,280	lf	\$ 15.00	\$ 19,200
539	4" Topsoil	1,707	sy	\$ 5.00	\$ 8,533
639	10' Concrete Sidewalk	12,800	sf	\$ 10.00	\$ 128,000
737	Auxiliary Lanes and Median Openings Allotment	109	sf	\$ 128.00	\$ 13,964
Paving Construction Cost Subtotal:					\$ 551,208
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 16,536
✓	Traffic Control			3%	\$ 16,536
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 11,024
✓	Roadway Drainage			20%	\$ 110,242
✓	Illumination			3%	\$ 14,639
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 38,585
✓	Establish Turf / Erosion Control			1%	\$ 5,512
✓	Basic Landscaping			2%	\$ 11,024
	Other:				\$ -
Allowance Subtotal:					\$ 224,098
Paving and Allowance Subtotal:					\$ 775,306
Construction Contingency:					\$ 116,296
Construction Cost TOTAL:					\$ 892,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 892,000
Engineering/Survey/Testing:		18%	\$ 160,560
Mobilization		5%	\$ 44,600
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 178,400
Impact Fee Project Cost TOTAL:			\$ 1,276,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Harmon (3)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.	C-32
Limits:	Bonds Ranch to Heritage Trace		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (If):	3,440		
Service Area(s):	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	4,969	cy	\$ 38.00	\$ 188,818
231	6" Lime Stabilization (with Lime @ 32#/sy)	9,556	sy	\$ 8.00	\$ 76,444
331	11" Concrete Pavement	8,791	sy	\$ 120.00	\$ 1,054,933
431	6" Curb and Gutter	6,880	lf	\$ 15.00	\$ 103,200
531	4" Topsoil	8,409	sy	\$ 5.00	\$ 42,044
631	10' Concrete Sidewalk	34,400	sf	\$ 10.00	\$ 344,000
729	Auxiliary Lanes and Median Openings Allotment	1,381	sf	\$ 128.00	\$ 176,795
Paving Construction Cost Subtotal:					\$ 1,986,235
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	59,587
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	59,587
✓	Pavement Markings/Markers		2%	\$	39,725
✓	Roadway Drainage	Standard Internal System	20%	\$	397,247
✓	Illumination		3%	\$	52,749
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	139,036
✓	Establish Turf / Erosion Control		1%	\$	19,862
✓	Basic Landscaping		2%	\$	39,725
	Other:			\$	-
Allowance Subtotal:					\$ 807,518
Paving and Allowance Subtotal:					\$ 2,793,754
Construction Contingency:					15% \$ 419,063
Construction Cost TOTAL:					\$ 3,213,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,213,000
Engineering/Survey/Testing:		18%	\$ 578,340
Mobilization		5%	\$ 160,650
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 321,300
Impact Fee Project Cost TOTAL:			\$ 4,273,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No. C-33
Name:	Harmon (4)	This project consists of the construction of the southbound lanes to complete the five-lane undivided neighborhood connector.	
Limits:	Heritage Trace to US 287 NBFR		
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)		
Ultimate Class:	5 Lane Undivided Neighborhood Connector		
Length (lf):	5,240		
Service Area(s):	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	10,189	cy	\$ 38.00	\$ 387,178
234	6" Lime Stabilization (with Lime @ 32#/sy)	20,087	sy	\$ 8.00	\$ 160,693
334	11" Concrete Pavement	19,504	sy	\$ 120.00	\$ 2,340,533
434	6" Curb and Gutter	5,240	lf	\$ 15.00	\$ 78,600
534	4" Topsoil	6,696	sy	\$ 5.00	\$ 33,478
634	10' Concrete Sidewalk	52,400	sf	\$ 10.00	\$ 524,000
732	Auxiliary Lanes and Median Openings Allotment	893	sf	\$ 128.00	\$ 114,327
Paving Construction Cost Subtotal:					\$ 3,638,809
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	109,164
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	109,164
✓	Pavement Markings/Markers		2%	\$	72,776
✓	Roadway Drainage	Standard Internal System	20%	\$	727,762
✓	Illumination		3%	\$	96,637
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,687,500	\$	1,687,500
✓	Water/Sewer	Minor Adjustments	7%	\$	254,717
✓	Establish Turf / Erosion Control		1%	\$	36,388
✓	Basic Landscaping		2%	\$	72,776
	Other:			\$	-
Allowance Subtotal:					\$ 3,166,885
Paving and Allowance Subtotal:					\$ 6,805,694
Construction Contingency:					\$ 1,020,854
Construction Cost TOTAL:					\$ 7,827,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,827,000
Engineering/Survey/Testing:		18%	\$ 1,408,860
Mobilization		5%	\$ 391,350
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 782,700
Impact Fee Project Cost TOTAL:			\$ 10,410,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.
Name:	Harmon (5)	This project consists of the construction of a new five-lane undivided neighborhood connector.	C-34
Limits:	US 287 NBFR to US 287 SBFR		
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)		
Ultimate Class:	5 Lane Undivided Neighborhood Connector		
Length (lf):	760		
Service Area(s):	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,491	cy	\$ 38.00	\$ 94,662
233	6" Lime Stabilization (with Lime @ 32#/sy)	4,898	sy	\$ 8.00	\$ 39,182
333	11" Concrete Pavement	4,729	sy	\$ 120.00	\$ 567,467
433	6" Curb and Gutter	1,520	lf	\$ 15.00	\$ 22,800
533	4" Topsoil	2,871	sy	\$ 5.00	\$ 14,356
633	10' Concrete Sidewalk	15,200	sf	\$ 10.00	\$ 152,000
731	Auxiliary Lanes and Median Openings Allotment	130	sf	\$ 128.00	\$ 16,582
Paving Construction Cost Subtotal:					\$ 907,048
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 27,211
✓	Traffic Control			3%	\$ 27,211
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 18,141
✓	Roadway Drainage			20%	\$ 181,410
✓	Illumination			3%	\$ 24,089
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 63,493
✓	Establish Turf / Erosion Control			1%	\$ 9,070
✓	Basic Landscaping	US 287 Crossing		2%	\$ 18,141
✓	Other:			\$ 1,500,000	
Allowance Subtotal:					\$ 1,868,767
Paving and Allowance Subtotal:					\$ 2,775,816
Construction Contingency:					15% \$ 191,372
Construction Cost TOTAL:					\$ 2,968,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,968,000
Engineering/Survey/Testing:		18%	\$ 534,240
Mobilization		5%	\$ 148,400
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 593,600
Impact Fee Project Cost TOTAL:			\$ 4,244,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-35
Name:	Harmon (6)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	N. Tarrant to Bailey Boswell			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	790			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	2,282	cy	\$ 38.00	\$ 86,724
228	6" Lime Stabilization (with Lime @ 32#/sy)	4,389	sy	\$ 8.00	\$ 35,111
328	11" Concrete Pavement	4,038	sy	\$ 120.00	\$ 484,533
428	6" Curb and Gutter	3,160	lf	\$ 15.00	\$ 47,400
528	4" Topsoil	3,687	sy	\$ 5.00	\$ 18,433
628	11' Concrete Sidewalk	17,380	sf	\$ 10.00	\$ 173,800
726	Auxiliary Lanes and Median Openings Allotment	317	sf	\$ 128.00	\$ 40,601
Paving Construction Cost Subtotal:					\$ 886,603
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 26,598
✓	Traffic Control			3%	\$ 26,598
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 17,732
✓	Roadway Drainage			20%	\$ 177,321
✓	Illumination			3%	\$ 23,546
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,550,000	\$ 2,550,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 62,062
✓	Establish Turf / Erosion Control			1%	\$ 8,866
✓	Basic Landscaping			2%	\$ 17,732
	Other:				\$ -
Allowance Subtotal:					\$ 2,910,455
Paving and Allowance Subtotal:					\$ 3,797,059
Construction Contingency:					\$ 569,559
Construction Cost TOTAL:					\$ 4,367,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,367,000
Engineering/Survey/Testing:		18%	\$ 786,060
Mobilization		5%	\$ 218,350
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 873,400
Impact Fee Project Cost TOTAL:			\$ 6,245,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-36
Name:	Bailey Boswell (3)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Harmon to Horseman			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	4,340			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	14,226	cy	\$ 38.00	\$ 540,571
233	6" Lime Stabilization (with Lime @ 32#/sy)	27,969	sy	\$ 8.00	\$ 223,751
333	11" Concrete Pavement	27,004	sy	\$ 120.00	\$ 3,240,533
433	6" Curb and Gutter	8,680	lf	\$ 15.00	\$ 130,200
533	4" Topsoil	16,396	sy	\$ 5.00	\$ 81,978
633	10' Concrete Sidewalk	86,800	sf	\$ 10.00	\$ 868,000
731	Auxiliary Lanes and Median Openings Allotment	740	sf	\$ 128.00	\$ 94,691
Paving Construction Cost Subtotal:					\$ 5,179,724
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	155,392
✓	Traffic Control	None Anticipated	3%	\$	155,392
✓	Pavement Markings/Markers		2%	\$	103,594
✓	Roadway Drainage	Standard Internal System	20%	\$	1,035,945
✓	Illumination		3%	\$	137,560
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	362,581
✓	Establish Turf / Erosion Control		1%	\$	51,797
✓	Basic Landscaping		2%	\$	103,594
	Other:			\$	-
Allowance Subtotal:					\$ 2,105,855
Paving and Allowance Subtotal:					\$ 7,285,579
Construction Contingency:					\$ 1,092,837
Construction Cost TOTAL:					\$ 8,379,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,379,000
Engineering/Survey/Testing:		18%	\$ 1,508,220
Mobilization		5%	\$ 418,950
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,675,800
Impact Fee Project Cost TOTAL:			\$ 11,982,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No. C-37
Name:	Bailey Boswell (4)	This project consists of the construction of a new four-lane divided neighborhood connector.	
Limits:	FM 156 to Horseman		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	3,670		
Service Area(s):	C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,602	cy	\$ 38.00	\$ 402,884
230	6" Lime Stabilization (with Lime @ 32#/sy)	20,389	sy	\$ 8.00	\$ 163,111
330	11" Concrete Pavement	18,758	sy	\$ 120.00	\$ 2,250,933
430	6" Curb and Gutter	14,680	lf	\$ 15.00	\$ 220,200
530	4" Topsoil	17,942	sy	\$ 5.00	\$ 89,711
630	10' Concrete Sidewalk	73,400	sf	\$ 10.00	\$ 734,000
728	Auxiliary Lanes and Median Openings Allotment	1,474	sf	\$ 128.00	\$ 188,616
Paving Construction Cost Subtotal:					\$ 4,049,456
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 121,484
✓	Traffic Control			3%	\$ 121,484
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 80,989
✓	Roadway Drainage			20%	\$ 809,891
✓	Illumination			3%	\$ 107,543
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 283,462
✓	Establish Turf / Erosion Control			1%	\$ 40,495
✓	Basic Landscaping			2%	\$ 80,989
	Other:				\$ -
Allowance Subtotal:					\$ 4,646,336
Paving and Allowance Subtotal:					\$ 8,695,792
Construction Contingency:					15% \$ 1,304,369
Construction Cost TOTAL:					\$ 10,001,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,001,000
Engineering/Survey/Testing:		18%	\$ 1,800,180
Mobilization		5%	\$ 500,050
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,000,200
Impact Fee Project Cost TOTAL:			\$ 14,301,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	C-38
Name:	Harmon (7)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	330' W of Bailey Boswell to Bailey Boswell			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	330			
Service Area(s):	C			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	953	cy	\$ 38.00	\$ 36,227
228	6" Lime Stabilization (with Lime @ 32#/sy)	1,833	sy	\$ 8.00	\$ 14,667
328	11" Concrete Pavement	1,687	sy	\$ 120.00	\$ 202,400
428	6" Curb and Gutter	1,320	lf	\$ 15.00	\$ 19,800
528	4" Topsoil	1,540	sy	\$ 5.00	\$ 7,700
628	11' Concrete Sidewalk	7,260	sf	\$ 10.00	\$ 72,600
726	Auxiliary Lanes and Median Openings Allotment	133	sf	\$ 128.00	\$ 16,960
Paving Construction Cost Subtotal:					\$ 370,353
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 11,111
✓	Traffic Control			3%	\$ 11,111
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 7,407
✓	Roadway Drainage			20%	\$ 74,071
✓	Illumination			3%	\$ 9,836
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 25,925
✓	Establish Turf / Erosion Control			1%	\$ 3,704
✓	Basic Landscaping			2%	\$ 7,407
	Other:				\$ -
Allowance Subtotal:					\$ 150,570
Paving and Allowance Subtotal:					\$ 520,923
Construction Contingency:					15% \$ 78,138
Construction Cost TOTAL:					\$ 600,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 600,000
Engineering/Survey/Testing:		18%	\$ 108,000
Mobilization		5%	\$ 30,000
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 120,000
Impact Fee Project Cost TOTAL:			\$ 858,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

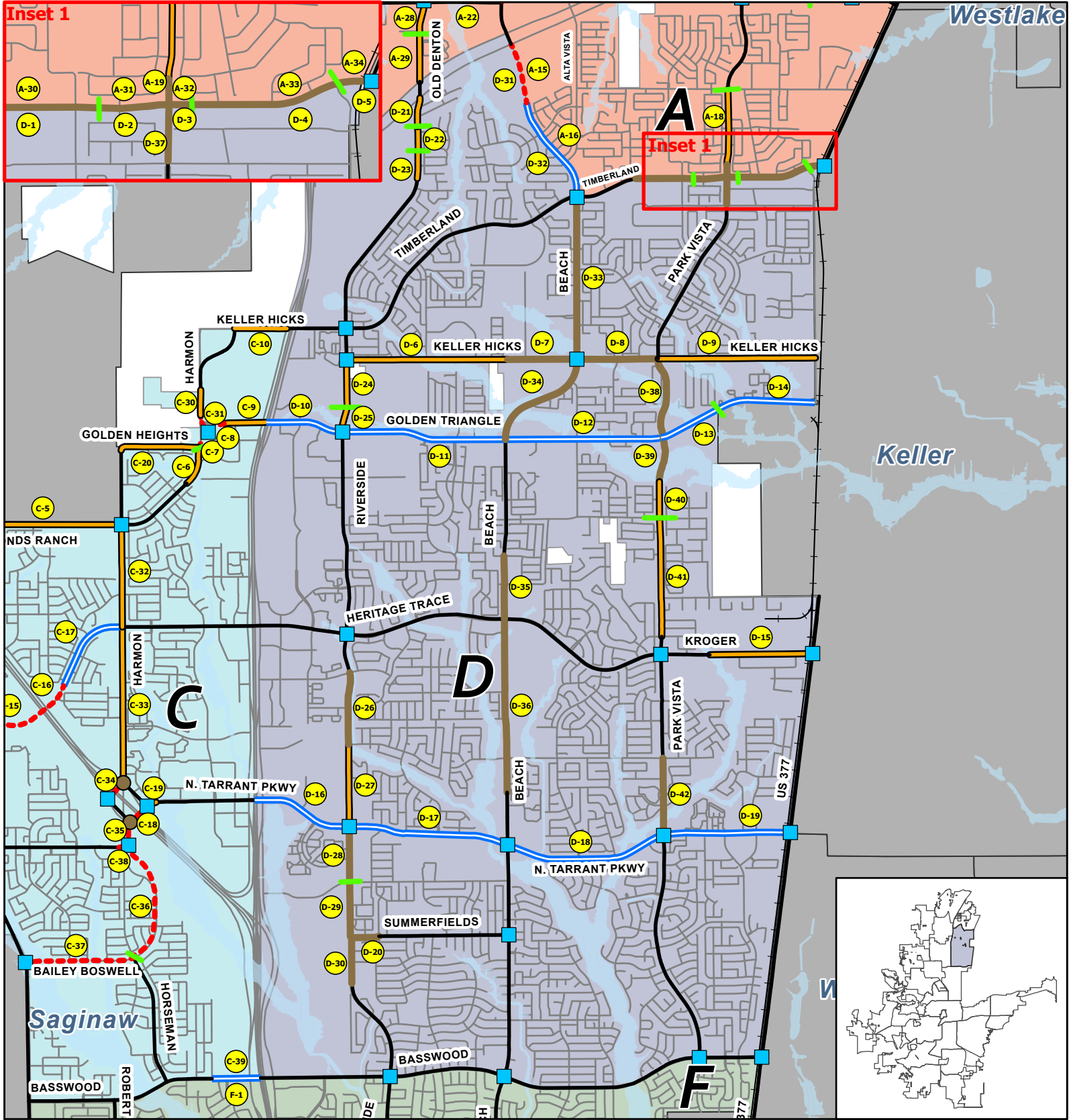
Project Information:		Description:	Project No.
Name:	Basswood (1)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.	C-39, F-1
Limits:	Candler to IH-35W		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (lf):	1,640		
Service Area(s):	C, F		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	2,369	cy	\$ 38.00	\$ 90,018
212	6" Lime Stabilization (with Lime @ 32#/sy)	4,556	sy	\$ 8.00	\$ 36,444
312	11" Concrete Pavement	4,191	sy	\$ 120.00	\$ 502,933
412	6" Curb and Gutter	3,280	lf	\$ 15.00	\$ 49,200
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	559	sf	\$ 128.00	\$ 71,564
Paving Construction Cost Subtotal:					\$ 750,159
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 22,505
✓	Traffic Control			3%	\$ 22,505
✓	Pavement Markings/Markers			2%	\$ 15,003
	Roadway Drainage	None Anticipated		0%	\$ -
	Illumination	None Anticipated		0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 7,502
✓	Basic Landscaping			2%	\$ 15,003
	Other:				\$ -
Allowance Subtotal:					\$ 82,518
Paving and Allowance Subtotal:					\$ 832,677
Construction Contingency:					\$ 124,902
Construction Cost TOTAL:					\$ 958,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 958,000
Engineering/Survey/Testing:		18%	\$ 172,440
Mobilization		5%	\$ 47,900
Previous City contribution			
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,178,000

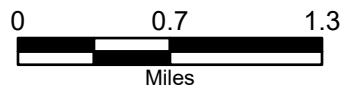
NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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Impact Fee TIP (SA D)

Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study

Transportation Improvements Plan for Transportation Impact Fees

Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area D

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
D-1, A-30	NCO-L2-T0-TWLT-P0-BOP (110)	Timberland (1)	485' E of Lilybrook to N Caylor	Recent	50%	\$ 4,550,544	\$ 2,275,272
D-2, A-31	NCO-L2-T0-TWLT-P0-BOP (110)	Timberland (2)	375' E of N Caylor to Park Vista	Previous	50%	\$ 1,997,466	\$ 998,733
D-3, A-32	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (3)	Park Vista to 355' E of Park Vista	Previous	50%	\$ 623,063	\$ 311,532
D-4, A-33	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (4)	355' E of PARK VISTA to 425' E of Harvest Oaks	Recent	50%	\$ 7,088,018	\$ 3,544,009
D-5, A-34	NCO-L2-T0-NTMS-P0-BOP (110)	Timberland (5)	425' E of Harvest Oaks to US 377	Recent	50%	\$ 1,589,435	\$ 794,718
D-6	NCO-L1-T0-TWLT-P0-BOP (80)	Keller Hicks (2)	Riverside to 600' W of Ridgeview	Widening	100%	\$ 12,031,000	\$ 12,031,000
D-7	NCO (E)	Keller Hicks (3)	600' W of Ridgeview to Alta Vista	Previous	100%	\$ 1,071,577	\$ 1,071,577
D-8	CCO (E)	Keller Hicks (4)	Alta Vista to Park Vista	Previous	100%	\$ 5,763,683	\$ 5,763,683
D-9	CCO-L1-T0-TWLT-P0-BOP (80)	Keller Hicks (5)	Park Vista to Katy	Widening	100%	\$ 12,900,000	\$ 12,900,000
D-10	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (1)	IH-35W to Riverside	Median	100%	\$ 1,921,000	\$ 1,921,000
D-11	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (2)	Riverside to Beach	Median	100%	\$ 4,038,000	\$ 4,038,000
D-12	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (3)	Beach to Park Vista	Median	100%	\$ 3,830,000	\$ 3,830,000
D-13	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (4)	Park Vista to 2130' E of Park Vista	Median	100%	\$ 1,558,000	\$ 1,558,000
D-14	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Golden Triangle (5)	2130' E of Park Vista to Katy	Median	100%	\$ 2,433,000	\$ 2,433,000
D-15	CCO-L2-T0-TWLT-P0-BOP (110)	Kroger	1650' E of Ray White to Main	Widening	100%	\$ 10,437,000	\$ 10,437,000
D-16	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)	N. Tarrant Pkwy (1)	IH-35W to Riverside	Median	100%	\$ 2,464,000	\$ 2,464,000
D-17	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	N. Tarrant Pkwy (2)	Riverside to Beach	Median	100%	\$ 3,882,000	\$ 3,882,000
D-18	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	N. Tarrant Pkwy (3)	Beach to Park Vista	Median	100%	\$ 3,966,000	\$ 3,966,000
D-19	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)	N. Tarrant Pkwy (4)	Park Vista to Main	Median	100%	\$ 3,068,000	\$ 3,068,000
D-20	NCO-L2-T0-NTMS-P0-BOP (110)	Summerfields	Riverside to Cannonwood	Recent	100%	\$ 1,630,595	\$ 1,630,595
D-21	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Riverside (1)	SH 170 EBFR to 180' N of Hidden Valley	Widening	100%	\$ 1,245,000	\$ 1,245,000
D-22	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Riverside (2)	180' N of Hidden Valley to 130' S of San Fernando	Widening	100%	\$ 1,117,000	\$ 1,117,000
D-23	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Riverside (3)	135' S of San Fernando to 325' N of Sawtimber	Widening	100%	\$ 1,117,000	\$ 1,117,000
D-24	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Riverside (4)	Keller Hicks to 800' N of Golden Triangle	Widening	100%	\$ 2,087,000	\$ 2,087,000
D-25	CCO-L2-T0-NTMS-P0-BOP (110)	Riverside (5)	800' N of Golden Triangle to Golden Triangle	Widening	100%	\$ 4,034,000	\$ 4,034,000
D-26	NCO-L2-T0-NTMS-P0-BOP (110)	Riverside (6)	Prairie Vista to Shiver	Previous	100%	\$ 1,378,007	\$ 1,378,007
D-27	NCO-L2-T0-NTMS-P0-BOP (110)	Riverside (7)	Shiver to Tarrant	Widening	100%	\$ 6,564,000	\$ 6,564,000
D-28	NCO-L2-T0-NTMS-P0-BOP (110)	Riverside (8)	Tarrant to Thompson	Recent	100%	\$ 3,291,566	\$ 3,291,566
D-29	NCO-L2-T0-NTMS-P0-BOP (110)	Riverside (9)	Thompson to Summerfields	Recent	100%	\$ 3,295,049	\$ 3,295,049
D-30	NCO-L2-T0-NTMS-P0-BOP (110)	Riverside (10)	Summerfields to Old Denton Rd	Recent	100%	\$ 2,692,281	\$ 2,692,281
D-31, A-15	CCO-L3-T0-NTMS-P0-BLB (130) (W)	Beach (5)	SH 170 EBFR to 2045' S of SH 170 EBFR	New	50%	\$ 6,329,000	\$ 3,164,500
D-32, A-16	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)	Beach (6)	410' N of Saratoga Downs to Timberland	Median	50%	\$ 2,654,000	\$ 1,327,000
D-33	NCO-L2-T0-NTMS-P0-BLS (110)	Beach (7)	Timberland to Keller Hicks	Previous	100%	\$ 1,684,794	\$ 1,684,794
D-34	NCO-L2-T0-NTMS-P0-BLS (110)	Beach (8)	Keller Hicks to Golden Triangle	Previous	100%	\$ 4,539,651	\$ 4,539,651
D-35	NCO-L2-T0-NTMS-P0-BLS (110)	Beach (9)	Vista Meadows to Heritage Trace	Previous	100%	\$ 6,344,578	\$ 6,344,578
D-36	NCO-L2-T0-NTMS-P0-BLS (110)	Beach (10)	Heritage Trace to 155' S of Springview Ln	Previous	100%	\$ 2,346,625	\$ 2,346,625
D-37	NCO-L2-T0-NTMS-P0-BLS (110)	Park Vista (4)	Timberland to Caylor	Previous	100%	\$ 4,323,873	\$ 4,323,873
D-38	NCO-L2-T0-NTMS-P0-BLS (110)	Park Vista (5)	Keller Hicks to Golden Triangle	Recent	100%	\$ 245,646	\$ 245,646
D-39	NCO-L2-T0-NTMS-P0-BLS (110)	Park Vista (6)	Golden Triangle to Anguilla	Recent	100%	\$ 137,471	\$ 137,471
D-40	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Park Vista (7)	Anguilla to Ray White	Widening	100%	\$ 1,900,000	\$ 1,900,000
D-41	NCO-L2-T0-TWLT-P0-BOP (110)	Park Vista (8)	Wyndbrook to Mirage	Widening	100%	\$ 10,297,000	\$ 10,297,000
D-42	NCO (E)	Park Vista (9)	Shiver to Tarrant	Previous	100%	\$ 2,059,673	\$ 2,059,673
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Beach	Timberland	Retrofit	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Beach	Keller Hicks	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Beach	N. Tarrant	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Beach	Basswood	Recent	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Beach	Summerfields	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	US 377	N. Tarrant	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	US 377	Basswood	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	US 377	Timberland	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	US 377	Kroger	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Riverside	Timberland	Recent	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Riverside	Golden Triangle	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Park Vista	Heritage Trace	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Park Vista	N. Tarrant	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Park Vista	Basswood	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Riverside	N. Tarrant	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Riverside	Basswood	Retrofit	50%	\$ 2,500,000	\$ 1,250,000

NOTES:

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- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-1, A-30
Name:	Timberland (1)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (D-1, D-4, and D-5). This segment accounts for 35% (\$4,550,544) of the overall project.		
Limits:	485' E of Lilybrook to N Caylor			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,555			
Service Area(s):	D, A			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	4,758,363
Previous City contribution			\$	(207,819)
Other				
Impact Fee Project Cost TOTAL:			\$	4,550,544

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-2, A-31
Name:	Timberland (2)	This project consists of the previously completed five-lane undivided section neighborhood connector. The City contributed \$1,997,466 overall to this project.		
Limits:	375' E of N Caylor to Park Vista			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,140			
Service Area(s):	D, A			
Impact Fee Project Cost TOTAL:			\$	1,997,466

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-3, A-32
Name:	Timberland (3)	This project consists of the previously completed five-lane undivided section neighborhood connector. The City contributed \$623,063 overall to this project.		
Limits:	Park Vista to 355' E of Park Vista			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	355			
Service Area(s):	D, A			
Impact Fee Project Cost TOTAL:			\$	623,063

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-4, A-33
Name:	Timberland (4)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (D-1, D-4, and D-5). This segment accounts for 54% (\$7,088,018) of the overall project.		
Limits:	355' E of PARK VISTA to 425' E of Harvest Oaks			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,420			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	7,411,721
Previous City contribution	SA A Impact Fees		\$	(323,703)
Other				
Impact Fee Project Cost TOTAL:			\$	7,088,018

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-5, A-34
Name:	Timberland (5)	This project consists of the previously completed five-lane undivided section neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,137,996 overall to this project (D-1, D-4, and D-5). This segment accounts for 11% (\$1,499,435) of the overall project.		
Limits:	425' E of Harvest Oaks to US 377			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	510			
Service Area(s):	D, A			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	1,657,912
Previous City contribution	SA A Impact Fees		\$	(68,477)
Other				
Impact Fee Project Cost TOTAL:			\$	1,589,435

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-6
Name:	Keller Hicks (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Riverside to 600' W of Ridgeview			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	5,420			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	11,141	cy	\$ 38.00	\$ 423,362
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,680	sy	\$ 8.00	\$ 173,440
341	11" Concrete Pavement	20,476	sy	\$ 120.00	\$ 2,457,067
441	6" Curb and Gutter	10,840	lf	\$ 15.00	\$ 162,600
541	4" Topsoil	15,658	sy	\$ 5.00	\$ 78,289
641	10' Concrete Sidewalk	108,400	sf	\$ 10.00	\$ 1,084,000
739	Auxiliary Lanes and Median Openings Allotment	924	sf	\$ 128.00	\$ 118,255
Paving Construction Cost Subtotal:					\$ 4,497,012
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 134,910
✓	Traffic Control			3%	\$ 134,910
✓	Pavement Markings/Markers			2%	\$ 89,940
✓	Roadway Drainage	Standard Internal System		20%	\$ 899,402
✓	Illumination			3%	\$ 119,429
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,540,000	\$ 1,540,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 314,791
✓	Establish Turf / Erosion Control			1%	\$ 44,970
✓	Basic Landscaping			2%	\$ 89,940
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,368,293
Paving and Allowance Subtotal:					\$ 7,865,306
Construction Contingency:					15% \$ 1,179,796
Construction Cost TOTAL:					\$ 9,046,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,046,000
Engineering/Survey/Testing:		18%	\$ 1,628,280
Mobilization		5%	\$ 452,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 904,600
Impact Fee Project Cost TOTAL:			\$ 12,031,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-7
Name:	Keller Hicks (3)	This project consists of the construction of the five-lane undivided section commercial connector. The City contributed \$1,071,577 to this project.		
Limits:	600' W of Ridgeview to Alta Vista			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	2,330			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	1,071,577

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-8
Name:	Keller Hicks (4)	This project consists of the construction of the four-lane undivided section commercial connector. The City contributed \$5,763,683 to this project.		
Limits:	Alta Vista to Park Vista			
Impact Fee Class:	CCO (E)			
Ultimate Class:	Established Commercial Connector			
Length (lf):	2,730			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	5,763,683

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-9
Name:	Keller Hicks (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	Park Vista to Katy			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	5,290			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	11,462	cy	\$ 38.00	\$ 435,543
239	6" Lime Stabilization (with Lime @ 32#/sy)	22,336	sy	\$ 8.00	\$ 178,684
339	11" Concrete Pavement	21,160	sy	\$ 120.00	\$ 2,539,200
439	6" Curb and Gutter	10,580	lf	\$ 15.00	\$ 158,700
539	4" Topsoil	14,107	sy	\$ 5.00	\$ 70,533
639	10' Concrete Sidewalk	105,800	sf	\$ 10.00	\$ 1,058,000
737	Auxiliary Lanes and Median Openings Allotment	902	sf	\$ 128.00	\$ 115,418
Paving Construction Cost Subtotal:					\$ 4,556,079
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 136,682
✓	Traffic Control			3%	\$ 136,682
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 91,122
✓	Roadway Drainage			20%	\$ 911,216
✓	Illumination			3%	\$ 120,997
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,025,000	\$ 2,025,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 318,926
✓	Establish Turf / Erosion Control			1%	\$ 45,561
✓	Basic Landscaping			2%	\$ 91,122
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,877,307
Paving and Allowance Subtotal:					\$ 8,433,387
Construction Contingency:					15% \$ 1,265,008
Construction Cost TOTAL:					\$ 9,699,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,699,000
Engineering/Survey/Testing:		18%	\$ 1,745,820
Mobilization		5%	\$ 484,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 969,900
Impact Fee Project Cost TOTAL:			\$ 12,900,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-10
Name:	Golden Triangle (1)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	IH-35W to Riverside			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,625			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	4,375	cy	\$ 38.00	\$ 166,250
205	6" Lime Stabilization (with Lime @ 32#/sy)	7,292	sy	\$ 8.00	\$ 58,333
305	11" Concrete Pavement	6,708	sy	\$ 120.00	\$ 805,000
405	6" Curb and Gutter	5,250	lf	\$ 15.00	\$ 78,750
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	895	sf	\$ 128.00	\$ 114,545
Paving Construction Cost Subtotal:					\$ 1,222,879
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 36,686
✓	Traffic Control			3%	\$ 36,686
✓	Pavement Markings/Markers			2%	\$ 24,458
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 12,229
✓	Basic Landscaping			2%	\$ 24,458
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 134,517
Paving and Allowance Subtotal:					\$ 1,357,395
Construction Contingency:					15% \$ 203,609
Construction Cost TOTAL:					\$ 1,562,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,562,000
Engineering/Survey/Testing:		18%	\$ 281,160
Mobilization		5%	\$ 78,100
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,921,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-11
Name:	Golden Triangle (2)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	Riverside to Beach			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	5,520			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	9,200	cy	\$ 38.00	\$ 349,600
205	6" Lime Stabilization (with Lime @ 32#/sy)	15,333	sy	\$ 8.00	\$ 122,667
305	11" Concrete Pavement	14,107	sy	\$ 120.00	\$ 1,692,800
405	6" Curb and Gutter	11,040	lf	\$ 15.00	\$ 165,600
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	1,882	sf	\$ 128.00	\$ 240,873
Paving Construction Cost Subtotal:					\$ 2,571,539
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 77,146
✓	Traffic Control			3%	\$ 77,146
✓	Pavement Markings/Markers			2%	\$ 51,431
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 25,715
✓	Basic Landscaping			2%	\$ 51,431
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 282,869
Paving and Allowance Subtotal:					\$ 2,854,409
Construction Contingency:					15% \$ 428,161
Construction Cost TOTAL:					\$ 3,283,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,283,000
Engineering/Survey/Testing:		18%	\$ 590,940
Mobilization		5%	\$ 164,150
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 4,038,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-12
Name:	Golden Triangle (3)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	Beach to Park Vista			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	5,235			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	8,725	cy	\$ 38.00	\$ 331,550
205	6" Lime Stabilization (with Lime @ 32#/sy)	14,542	sy	\$ 8.00	\$ 116,333
305	11" Concrete Pavement	13,378	sy	\$ 120.00	\$ 1,605,400
405	6" Curb and Gutter	10,470	lf	\$ 15.00	\$ 157,050
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	1,785	sf	\$ 128.00	\$ 228,436
Paving Construction Cost Subtotal:					\$ 2,438,770
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 73,163
✓	Traffic Control			3%	\$ 73,163
✓	Pavement Markings/Markers			2%	\$ 48,775
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 24,388
✓	Basic Landscaping			2%	\$ 48,775
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 268,265
Paving and Allowance Subtotal:					\$ 2,707,034
Construction Contingency:					15% \$ 406,055
Construction Cost TOTAL:					\$ 3,114,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,114,000
Engineering/Survey/Testing:		18%	\$ 560,520
Mobilization		5%	\$ 155,700
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 3,830,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-13
Name:	Golden Triangle (4)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	Park Vista to 2130' E of Park Vista			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,130			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	3,550	cy	\$ 38.00	\$ 134,900
205	6" Lime Stabilization (with Lime @ 32#/sy)	5,917	sy	\$ 8.00	\$ 47,333
305	11" Concrete Pavement	5,443	sy	\$ 120.00	\$ 653,200
405	6" Curb and Gutter	4,260	lf	\$ 15.00	\$ 63,900
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	726	sf	\$ 128.00	\$ 92,945
Paving Construction Cost Subtotal:					\$ 992,279
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,768
✓	Traffic Control			3%	\$ 29,768
✓	Pavement Markings/Markers			2%	\$ 19,846
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 9,923
✓	Basic Landscaping			2%	\$ 19,846
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 109,151
Paving and Allowance Subtotal:					\$ 1,101,429
Construction Contingency:					15% \$ 165,214
Construction Cost TOTAL:					\$ 1,267,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,267,000
Engineering/Survey/Testing:		18%	\$ 228,060
Mobilization		5%	\$ 63,350
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,558,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-14
Name:	Golden Triangle (5)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	2130' E of Park Vista to Katy			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	3,325			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	5,542	cy	\$ 38.00	\$ 210,583
205	6" Lime Stabilization (with Lime @ 32#/sy)	9,236	sy	\$ 8.00	\$ 73,889
305	11" Concrete Pavement	8,497	sy	\$ 120.00	\$ 1,019,667
405	6" Curb and Gutter	6,650	lf	\$ 15.00	\$ 99,750
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	1,134	sf	\$ 128.00	\$ 145,091
Paving Construction Cost Subtotal:					\$ 1,548,980
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 46,469
✓	Traffic Control			3%	\$ 46,469
✓	Pavement Markings/Markers			2%	\$ 30,980
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 15,490
✓	Basic Landscaping			2%	\$ 30,980
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 170,388
Paving and Allowance Subtotal:					\$ 1,719,368
Construction Contingency:					15% \$ 257,905
Construction Cost TOTAL:					\$ 1,978,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,978,000
Engineering/Survey/Testing:		18%	\$ 356,040
Mobilization		5%	\$ 98,900
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 2,433,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-15
Name:	Kroger	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	1650' E of Ray White to Main			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	3,455			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	11,709	cy	\$ 38.00	\$ 444,927
225	6" Lime Stabilization (with Lime @ 32#/sy)	23,033	sy	\$ 8.00	\$ 184,267
325	11" Concrete Pavement	22,266	sy	\$ 120.00	\$ 2,671,867
425	6" Curb and Gutter	6,910	lf	\$ 15.00	\$ 103,650
525	4" Topsoil	12,284	sy	\$ 5.00	\$ 61,422
625	10' Concrete Sidewalk	69,100	sf	\$ 10.00	\$ 691,000
723	Auxiliary Lanes and Median Openings Allotment	589	sf	\$ 128.00	\$ 75,382
Paving Construction Cost Subtotal:					\$ 4,232,515
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 126,975
✓	Traffic Control			3%	\$ 126,975
✓	Pavement Markings/Markers			2%	\$ 84,650
✓	Roadway Drainage	Standard Internal System		20%	\$ 846,503
✓	Illumination			3%	\$ 112,404
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 296,276
✓	Establish Turf / Erosion Control			1%	\$ 42,325
✓	Basic Landscaping			2%	\$ 84,650
✓	Other:	At Grade Railroad Crossing		\$0	\$ 1,000,000
Allowance Subtotal:					\$ 2,720,760
Paving and Allowance Subtotal:					\$ 6,953,274
Construction Contingency:					15% \$ 892,991
Construction Cost TOTAL:					\$ 7,847,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,847,000
Engineering/Survey/Testing:		18%	\$ 1,412,460
Mobilization		5%	\$ 392,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 784,700
Impact Fee Project Cost TOTAL:			\$ 10,437,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-16	
Name:	N. Tarrant Pkwy (1)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.			
Limits:	IH-35W to Riverside				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	3,430				
Service Area(s):	D				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
102	Unclassified Street Excavation	4,954	cy	\$ 38.00	\$ 188,269
202	6" Lime Stabilization (with Lime @ 32#/sy)	9,528	sy	\$ 8.00	\$ 76,222
302	11" Concrete Pavement	8,766	sy	\$ 120.00	\$ 1,051,867
402	6" Curb and Gutter	6,860	lf	\$ 15.00	\$ 102,900
502	4" Topsoil	0	sy	\$ 5.00	\$ -
602	6' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
701	Auxiliary Lanes and Median Openings Allotment	1,169	sf	\$ 128.00	\$ 149,673
Paving Construction Cost Subtotal:					\$ 1,568,931
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	47,068
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	47,068
✓	Pavement Markings/Markers		2%	\$	31,379
	Roadway Drainage	None Anticipated	0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
✓	Establish Turf / Erosion Control		1%	\$	15,689
✓	Basic Landscaping		2%	\$	31,379
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 172,582
Paving and Allowance Subtotal:					\$ 1,741,513
Construction Contingency:					15% \$ 261,227
Construction Cost TOTAL:					\$ 2,003,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,003,000
Engineering/Survey/Testing:		18%	\$ 360,540
Mobilization		5%	\$ 100,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 2,464,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-17
Name:	N. Tarrant Pkwy (2)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	Riverside to Beach			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	5,405			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	7,807	cy	\$ 38.00	\$ 296,674
210	6" Lime Stabilization (with Lime @ 32#/sy)	15,014	sy	\$ 8.00	\$ 120,111
310	11" Concrete Pavement	13,813	sy	\$ 120.00	\$ 1,657,533
410	6" Curb and Gutter	10,810	lf	\$ 15.00	\$ 162,150
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	1,843	sf	\$ 128.00	\$ 235,855
Paving Construction Cost Subtotal:					\$ 2,472,323
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 74,170
✓	Traffic Control			3%	\$ 74,170
✓	Pavement Markings/Markers			2%	\$ 49,446
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 24,723
✓	Basic Landscaping			2%	\$ 49,446
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 271,956
Paving and Allowance Subtotal:					\$ 2,744,279
Construction Contingency:					15% \$ 411,642
Construction Cost TOTAL:					\$ 3,156,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,156,000
Engineering/Survey/Testing:		18%	\$ 568,080
Mobilization		5%	\$ 157,800
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 3,882,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-18
Name:	N. Tarrant Pkwy (3)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	Beach to Park Vista			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	5,520			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	7,973	cy	\$ 38.00	\$ 302,987
210	6" Lime Stabilization (with Lime @ 32#/sy)	15,333	sy	\$ 8.00	\$ 122,667
310	11" Concrete Pavement	14,107	sy	\$ 120.00	\$ 1,692,800
410	6" Curb and Gutter	11,040	lf	\$ 15.00	\$ 165,600
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	1,882	sf	\$ 128.00	\$ 240,873
Paving Construction Cost Subtotal:					\$ 2,524,926
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 75,748
✓	Traffic Control			3%	\$ 75,748
✓	Pavement Markings/Markers			2%	\$ 50,499
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 25,249
✓	Basic Landscaping			2%	\$ 50,499
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 277,742
Paving and Allowance Subtotal:					\$ 2,802,668
Construction Contingency:					15% \$ 420,400
Construction Cost TOTAL:					\$ 3,224,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,224,000
Engineering/Survey/Testing:		18%	\$ 580,320
Mobilization		5%	\$ 161,200
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 3,966,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-19	
Name:	N. Tarrant Pkwy (4)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.			
Limits:	Park Vista to Main				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	4,270				
Service Area(s):	D				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
102	Unclassified Street Excavation	6,168	cy	\$ 38.00	\$ 234,376
202	6" Lime Stabilization (with Lime @ 32#/sy)	11,861	sy	\$ 8.00	\$ 94,889
302	11" Concrete Pavement	10,912	sy	\$ 120.00	\$ 1,309,467
402	6" Curb and Gutter	8,540	lf	\$ 15.00	\$ 128,100
502	4" Topsoil	0	sy	\$ 5.00	\$ -
602	6' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
701	Auxiliary Lanes and Median Openings Allotment	1,456	sf	\$ 128.00	\$ 186,327
Paving Construction Cost Subtotal:					\$ 1,953,158
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	58,595
✓	Traffic Control		3%	\$	58,595
✓	Pavement Markings/Markers		2%	\$	39,063
	Roadway Drainage		0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
✓	Establish Turf / Erosion Control		1%	\$	19,532
✓	Basic Landscaping		2%	\$	39,063
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 214,847
Paving and Allowance Subtotal:					\$ 2,168,006
Construction Contingency:					15% \$ 325,201
Construction Cost TOTAL:					\$ 2,494,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,494,000
Engineering/Survey/Testing:		18%	\$ 448,920
Mobilization		5%	\$ 124,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 3,068,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-20
Name:	Summerfields	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,853,489 overall to this project (D-28, D-29, D-30, and D-20). \$2,944,000 of the total was attributed to impact fees. This segment accounts for 15% (\$1,630,595) of the overall project.		
Limits:	Riverside to Cannonwood			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	930			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	2,070,621
Previous City contribution	SA D Impact Fees		\$	(440,026)
Other				
Impact Fee Project Cost TOTAL:			\$	1,630,595

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-21
Name:	Riverside (1)	This project consists of the reconstruction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	SH 170 EBFR to 180' N of Hidden Valley			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	975			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,463	cy	\$ 38.00	\$ 55,575
224	6" Lime Stabilization (with Lime @ 32#/sy)	2,817	sy	\$ 8.00	\$ 22,533
324	11" Concrete Pavement	2,600	sy	\$ 120.00	\$ 312,000
424	6" Curb and Gutter	1,950	lf	\$ 15.00	\$ 29,250
524	4" Topsoil	2,275	sy	\$ 5.00	\$ 11,375
624	10' Concrete Sidewalk	9,750	sf	\$ 10.00	\$ 97,500
722	Auxiliary Lanes and Median Openings Allotment	391	sf	\$ 128.00	\$ 50,109
Paving Construction Cost Subtotal:					\$ 578,342
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 17,350
✓	Traffic Control			3%	\$ 17,350
✓	Pavement Markings/Markers			2%	\$ 11,567
✓	Roadway Drainage	Standard Internal System		20%	\$ 115,668
✓	Illumination			3%	\$ 15,359
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 40,484
✓	Establish Turf / Erosion Control			1%	\$ 5,783
✓	Basic Landscaping			2%	\$ 11,567
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 235,129
Paving and Allowance Subtotal:					\$ 813,472
Construction Contingency:					15% \$ 122,021
Construction Cost TOTAL:					\$ 936,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 936,000
Engineering/Survey/Testing:		18%	\$ 168,480
Mobilization		5%	\$ 46,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 93,600
Impact Fee Project Cost TOTAL:			\$ 1,245,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-22
Name:	Riverside (2)	This project consists of the reconstruction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	180' N of Hidden Valley to 130' S of San Fernando			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	875			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,313	cy	\$ 38.00	\$ 49,875
224	6" Lime Stabilization (with Lime @ 32#/sy)	2,528	sy	\$ 8.00	\$ 20,222
324	11" Concrete Pavement	2,333	sy	\$ 120.00	\$ 280,000
424	6" Curb and Gutter	1,750	lf	\$ 15.00	\$ 26,250
524	4" Topsoil	2,042	sy	\$ 5.00	\$ 10,208
624	10' Concrete Sidewalk	8,750	sf	\$ 10.00	\$ 87,500
722	Auxiliary Lanes and Median Openings Allotment	351	sf	\$ 128.00	\$ 44,970
Paving Construction Cost Subtotal:					\$ 519,025
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 15,571
✓	Traffic Control			3%	\$ 15,571
✓	Pavement Markings/Markers			2%	\$ 10,381
✓	Roadway Drainage	Standard Internal System		20%	\$ 103,805
✓	Illumination			3%	\$ 13,784
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 36,332
✓	Establish Turf / Erosion Control			1%	\$ 5,190
✓	Basic Landscaping			2%	\$ 10,381
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 211,014
Paving and Allowance Subtotal:					\$ 730,039
Construction Contingency:					15% \$ 109,506
Construction Cost TOTAL:					\$ 840,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 840,000
Engineering/Survey/Testing:		18%	\$ 151,200
Mobilization		5%	\$ 42,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 84,000
Impact Fee Project Cost TOTAL:			\$ 1,117,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-23
Name:	Riverside (3)	This project consists of the reconstruction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	135' S of San Fernando to 325' N of Sawtimber			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	875			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,313	cy	\$ 38.00	\$ 49,875
224	6" Lime Stabilization (with Lime @ 32#/sy)	2,528	sy	\$ 8.00	\$ 20,222
324	11" Concrete Pavement	2,333	sy	\$ 120.00	\$ 280,000
424	6" Curb and Gutter	1,750	lf	\$ 15.00	\$ 26,250
524	4" Topsoil	2,042	sy	\$ 5.00	\$ 10,208
624	10' Concrete Sidewalk	8,750	sf	\$ 10.00	\$ 87,500
722	Auxiliary Lanes and Median Openings Allotment	351	sf	\$ 128.00	\$ 44,970
Paving Construction Cost Subtotal:					\$ 519,025
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 15,571
✓	Traffic Control			3%	\$ 15,571
✓	Pavement Markings/Markers			2%	\$ 10,381
✓	Roadway Drainage	Standard Internal System		20%	\$ 103,805
✓	Illumination			3%	\$ 13,784
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 36,332
✓	Establish Turf / Erosion Control			1%	\$ 5,190
✓	Basic Landscaping			2%	\$ 10,381
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 211,014
Paving and Allowance Subtotal:					\$ 730,039
Construction Contingency:					15% \$ 109,506
Construction Cost TOTAL:					\$ 840,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 840,000
Engineering/Survey/Testing:		18%	\$ 151,200
Mobilization		5%	\$ 42,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 84,000
Impact Fee Project Cost TOTAL:			\$ 1,117,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-24
Name:	Riverside (4)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	Keller Hicks to 800' N of Golden Triangle			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,635			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,453	cy	\$ 38.00	\$ 93,195
224	6" Lime Stabilization (with Lime @ 32#/sy)	4,723	sy	\$ 8.00	\$ 37,787
324	11" Concrete Pavement	4,360	sy	\$ 120.00	\$ 523,200
424	6" Curb and Gutter	3,270	lf	\$ 15.00	\$ 49,050
524	4" Topsoil	3,815	sy	\$ 5.00	\$ 19,075
624	10' Concrete Sidewalk	16,350	sf	\$ 10.00	\$ 163,500
722	Auxiliary Lanes and Median Openings Allotment	656	sf	\$ 128.00	\$ 84,029
Paving Construction Cost Subtotal:					\$ 969,836
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,095
✓	Traffic Control			3%	\$ 29,095
✓	Pavement Markings/Markers			2%	\$ 19,397
✓	Roadway Drainage	Standard Internal System		20%	\$ 193,967
✓	Illumination			3%	\$ 25,756
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 67,889
✓	Establish Turf / Erosion Control			1%	\$ 9,698
✓	Basic Landscaping			2%	\$ 19,397
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 394,294
Paving and Allowance Subtotal:					\$ 1,364,130
Construction Contingency:					15% \$ 204,619
Construction Cost TOTAL:					\$ 1,569,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,569,000
Engineering/Survey/Testing:		18%	\$ 282,420
Mobilization		5%	\$ 78,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 156,900
Impact Fee Project Cost TOTAL:			\$ 2,087,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-25
Name:	Riverside (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	800' N of Golden Triangle to Golden Triangle			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	800			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,400	cy	\$ 38.00	\$ 91,200
223	6" Lime Stabilization (with Lime @ 32#/sy)	4,622	sy	\$ 8.00	\$ 36,978
323	11" Concrete Pavement	4,267	sy	\$ 120.00	\$ 512,000
423	6" Curb and Gutter	3,200	lf	\$ 15.00	\$ 48,000
523	4" Topsoil	3,733	sy	\$ 5.00	\$ 18,667
623	10' Concrete Sidewalk	16,000	sf	\$ 10.00	\$ 160,000
721	Auxiliary Lanes and Median Openings Allotment	321	sf	\$ 128.00	\$ 41,115
Paving Construction Cost Subtotal:					\$ 907,960
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 27,239
✓	Traffic Control			3%	\$ 27,239
✓	Pavement Markings/Markers			2%	\$ 18,159
✓	Roadway Drainage	Standard Internal System		20%	\$ 181,592
✓	Illumination			3%	\$ 24,113
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,360,000	\$ 1,360,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 63,557
✓	Establish Turf / Erosion Control			1%	\$ 9,080
✓	Basic Landscaping			2%	\$ 18,159
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,729,138
Paving and Allowance Subtotal:					\$ 2,637,097
Construction Contingency:					15% \$ 395,565
Construction Cost TOTAL:					\$ 3,033,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,033,000
Engineering/Survey/Testing:		18%	\$ 545,940
Mobilization		5%	\$ 151,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 303,300
Impact Fee Project Cost TOTAL:			\$ 4,034,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-26
Name:	Riverside (6)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$1,378,007 to this project.		
Limits:	Prairie Vista to Shiver			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,420			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	1,378,007

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		D-27
Name:	Riverside (7)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	Shiver to Tarrant				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,765				
Service Area(s):	D				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,988	cy	\$ 38.00	\$ 303,536
230	6" Lime Stabilization (with Lime @ 32#/sy)	15,361	sy	\$ 8.00	\$ 122,889
330	11" Concrete Pavement	14,132	sy	\$ 120.00	\$ 1,695,867
430	6" Curb and Gutter	11,060	lf	\$ 15.00	\$ 165,900
530	4" Topsoil	13,518	sy	\$ 5.00	\$ 67,589
630	10' Concrete Sidewalk	55,300	sf	\$ 10.00	\$ 553,000
728	Auxiliary Lanes and Median Openings Allotment	1,110	sf	\$ 128.00	\$ 142,104
Paving Construction Cost Subtotal:					\$ 3,050,884
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	91,527
✓	Traffic Control		3%	\$	91,527
✓	Pavement Markings/Markers		2%	\$	61,018
✓	Roadway Drainage	Standard Internal System	20%	\$	610,177
✓	Illumination		3%	\$	81,023
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	213,562
✓	Establish Turf / Erosion Control		1%	\$	30,509
✓	Basic Landscaping		2%	\$	61,018
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,240,359
Paving and Allowance Subtotal:					\$ 4,291,244
Construction Contingency:					15% \$ 643,687
Construction Cost TOTAL:					\$ 4,935,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,935,000
Engineering/Survey/Testing:		18%	\$ 888,300
Mobilization		5%	\$ 246,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 493,500
Impact Fee Project Cost TOTAL:			\$ 6,564,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-28
Name:	Riverside (8)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,853,489 overall to this project (D-28, D-29, D-30, and D-20). \$2,944,000 of the total was attributed to impact fees. This segment accounts for 30% (\$4,179,817) of the overall project.		
Limits:	Tarrant to Thompson			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,875			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	4,179,817
Previous City contribution	SA D Impact Fees		\$	(888,251)
Other				
Impact Fee Project Cost TOTAL:			\$	3,291,566

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-29
Name:	Riverside (9)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,853,489 overall to this project (D-28, D-29, D-30, and D-20). \$2,944,000 of the total was attributed to impact fees. This segment accounts for 30% (\$4,184,240) of the overall project.		
Limits:	Thompson to Summerfields			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,875			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	4,184,240
Previous City contribution	SA D Impact Fees		\$	(889,191)
Other				
Impact Fee Project Cost TOTAL:			\$	3,295,049

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-30
Name:	Riverside (10)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$13,853,489 overall to this project (D-28, D-29, D-30, and D-20). \$2,944,000 of the total was attributed to impact fees. This segment accounts for 25% (\$3,418,811) of the overall project.		
Limits:	Summerfields to Old Denton Rd			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,535			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	3,418,811
Previous City contribution	SA D Impact Fees		\$	(726,530)
Other				
Impact Fee Project Cost TOTAL:			\$	2,692,281

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No. D-31, A-15
Name:	Beach (5)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.	
Limits:	SH 170 EBFR to 2045' S of SH 170 EBFR		
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)		
Ultimate Class:	6 Lane Divided Commercial Connector		
Length (lf):	2,045		
Service Area(s):	D, A		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	10,225	cy	\$ 38.00	\$ 388,550
203	6" Lime Stabilization (with Lime @ 32#/sy)	14,997	sy	\$ 8.00	\$ 119,973
303	11" Concrete Pavement	14,088	sy	\$ 120.00	\$ 1,690,533
403	6" Curb and Gutter	8,180	lf	\$ 15.00	\$ 122,700
503	4" Topsoil	12,724	sy	\$ 5.00	\$ 63,622
603	6' Concrete Sidewalk	24,540	sf	\$ 10.00	\$ 245,400
701	Auxiliary Lanes and Median Openings Allotment	821	sf	\$ 128.00	\$ 105,101
Paving Construction Cost Subtotal:					\$ 2,735,879
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 82,076
✓	Traffic Control			3%	\$ 82,076
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 54,718
✓	Roadway Drainage			20%	\$ 547,176
✓	Illumination			3%	\$ 72,658
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 191,512
✓	Establish Turf / Erosion Control			1%	\$ 27,359
✓	Basic Landscaping			2%	\$ 54,718
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,112,292
Paving and Allowance Subtotal:					\$ 3,848,171
Construction Contingency:					15% \$ 577,226
Construction Cost TOTAL:					\$ 4,426,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,426,000
Engineering/Survey/Testing:		18%	\$ 796,680
Mobilization		5%	\$ 221,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 885,200
Impact Fee Project Cost TOTAL:			\$ 6,329,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No. D-32, A-16
Name:	Beach (6)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.	
Limits:	410' N of Saratoga Downs to Timberland		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (1/3)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (lf):	3,695		
Service Area(s):	D, A		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
110	Unclassified Street Excavation	5,337	cy	\$ 38.00	\$ 202,814
210	6" Lime Stabilization (with Lime @ 32#/sy)	10,264	sy	\$ 8.00	\$ 82,111
310	11" Concrete Pavement	9,443	sy	\$ 120.00	\$ 1,133,133
410	6" Curb and Gutter	7,390	lf	\$ 15.00	\$ 110,850
510	4" Topsoil	0	sy	\$ 5.00	\$ -
610	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
708	Auxiliary Lanes and Median Openings Allotment	1,260	sf	\$ 128.00	\$ 161,236
Paving Construction Cost Subtotal:					\$ 1,690,145
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 50,704
✓	Traffic Control			3%	\$ 50,704
✓	Pavement Markings/Markers			2%	\$ 33,803
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 16,901
✓	Basic Landscaping			2%	\$ 33,803
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 185,916
Paving and Allowance Subtotal:					\$ 1,876,061
Construction Contingency:					15% \$ 281,409
Construction Cost TOTAL:					\$ 2,158,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,158,000
Engineering/Survey/Testing:		18%	\$ 388,440
Mobilization		5%	\$ 107,900
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 2,654,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-33
Name:	Beach (7)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$1,684,794 to this project.		
Limits:	Timberland to Keller Hicks			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,465			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	1,684,794

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-34
Name:	Beach (8)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$4,539,651 to this project.		
Limits:	Keller Hicks to Golden Triangle			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,935			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	4,539,651

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-35
Name:	Beach (9)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$6,344,578 to this project.		
Limits:	Vista Meadows to Heritage Trace			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,110			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	6,344,578

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-36
Name:	Beach (10)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$2,346,625 to this project.		
Limits:	Heritage Trace to 155' S of Springview Ln			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,845			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	2,346,625

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-37
Name:	Park Vista (4)	This project consists of the construction of the four-lane divided section neighborhood connector. The City contributed \$4,323,873 to this project.		
Limits:	Timberland to Caylor			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	910			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	4,323,873

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-38
Name:	Park Vista (5)	This project consists of the previously completed four-lane divided section neighborhood connector. The City contributed \$3,555,366 overall to this project (D-38, D-39, and D-40). \$3,064,939 of the overall was attributed to impact fees. This segment accounts for 50% (\$1,780,815) of the overall project.		
Limits:	Keller Hicks to Golden Triangle			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,745			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Construction:	SA D Impact Fees	-	\$	1,780,815
Previous City contribution			\$	(1,535,169)
Other				
Impact Fee Project Cost TOTAL:			\$	245,646

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-39
Name:	Park Vista (6)	This project consists of the previously completed four-lane divided section neighborhood connector. The City contributed \$3,555,366 overall to this project (D-38, D-39, and D-40). \$3,064,939 of the overall was attributed to impact fees. This segment accounts for 28% (\$996,600) of the overall project.		
Limits:	Golden Triangle to Anguilla			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,535			
Service Area(s):	D			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	996,600
Previous City contribution	SA D Impact Fees		\$	(859,129)
Other				
Impact Fee Project Cost TOTAL:			\$	137,471

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-40
Name:	Park Vista (7)	This project consists of the construction of the southbound lanes to complete the five-lane undivided neighborhood connector.		
Limits:	Anguilla to Ray White			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,200			
Service Area(s):	D			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	2,333	cy	\$ 38.00	\$ 88,667
234	6" Lime Stabilization (with Lime @ 32#/sy)	4,600	sy	\$ 8.00	\$ 36,800
334	11" Concrete Pavement	4,467	sy	\$ 120.00	\$ 536,000
434	6" Curb and Gutter	1,200	lf	\$ 15.00	\$ 18,000
534	4" Topsoil	1,533	sy	\$ 5.00	\$ 7,667
634	10' Concrete Sidewalk	12,000	sf	\$ 10.00	\$ 120,000
732	Auxiliary Lanes and Median Openings Allotment	205	sf	\$ 128.00	\$ 26,182
Paving Construction Cost Subtotal:					\$ 833,315
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 24,999
✓	Traffic Control			3%	\$ 24,999
✓	Pavement Markings/Markers			2%	\$ 16,666
✓	Roadway Drainage	Standard Internal System		20%	\$ 166,663
✓	Illumination			3%	\$ 22,131
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 58,332
✓	Establish Turf / Erosion Control			1%	\$ 8,333
✓	Basic Landscaping			2%	\$ 16,666
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 338,790
Paving and Allowance Subtotal:					\$ 1,172,106
Construction Contingency:					15% \$ 175,816
Construction Cost TOTAL:					\$ 1,348,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,348,000
Engineering/Survey/Testing:		18%	\$ 242,640
Mobilization		5%	\$ 67,400
Previous City contribution	Developer PPP		\$ 777,951
Other	SA D Impact Fees		\$ (670,640)
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 134,800
Impact Fee Project Cost TOTAL:			\$ 1,900,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	D-41	
Name:	Park Vista (8)	This project consists of the widening and construction of the southbound lanes to complete the five-lane undivided neighborhood connector.			
Limits:	Wyndbrook to Mirage				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	4,010				
Service Area(s):	D				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	13,144	cy	\$ 38.00	\$ 499,468
233	6" Lime Stabilization (with Lime @ 32#/sy)	25,842	sy	\$ 8.00	\$ 206,738
333	11" Concrete Pavement	24,951	sy	\$ 120.00	\$ 2,994,133
433	6" Curb and Gutter	8,020	lf	\$ 15.00	\$ 120,300
533	4" Topsoil	15,149	sy	\$ 5.00	\$ 75,744
633	10' Concrete Sidewalk	80,200	sf	\$ 10.00	\$ 802,000
731	Auxiliary Lanes and Median Openings Allotment	684	sf	\$ 128.00	\$ 87,491
Paving Construction Cost Subtotal:					\$ 4,785,874
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	143,576
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	143,576
✓	Pavement Markings/Markers		2%	\$	95,717
✓	Roadway Drainage	Standard Internal System	20%	\$	957,175
✓	Illumination		3%	\$	127,100
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	335,011
✓	Establish Turf / Erosion Control		1%	\$	47,859
✓	Basic Landscaping		2%	\$	95,717
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,945,732
Paving and Allowance Subtotal:					\$ 6,731,607
Construction Contingency:					15% \$ 1,009,741
Construction Cost TOTAL:					\$ 7,742,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,742,000
Engineering/Survey/Testing:		18%	\$ 1,393,560
Mobilization		5%	\$ 387,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 774,200
Impact Fee Project Cost TOTAL:			\$ 10,297,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

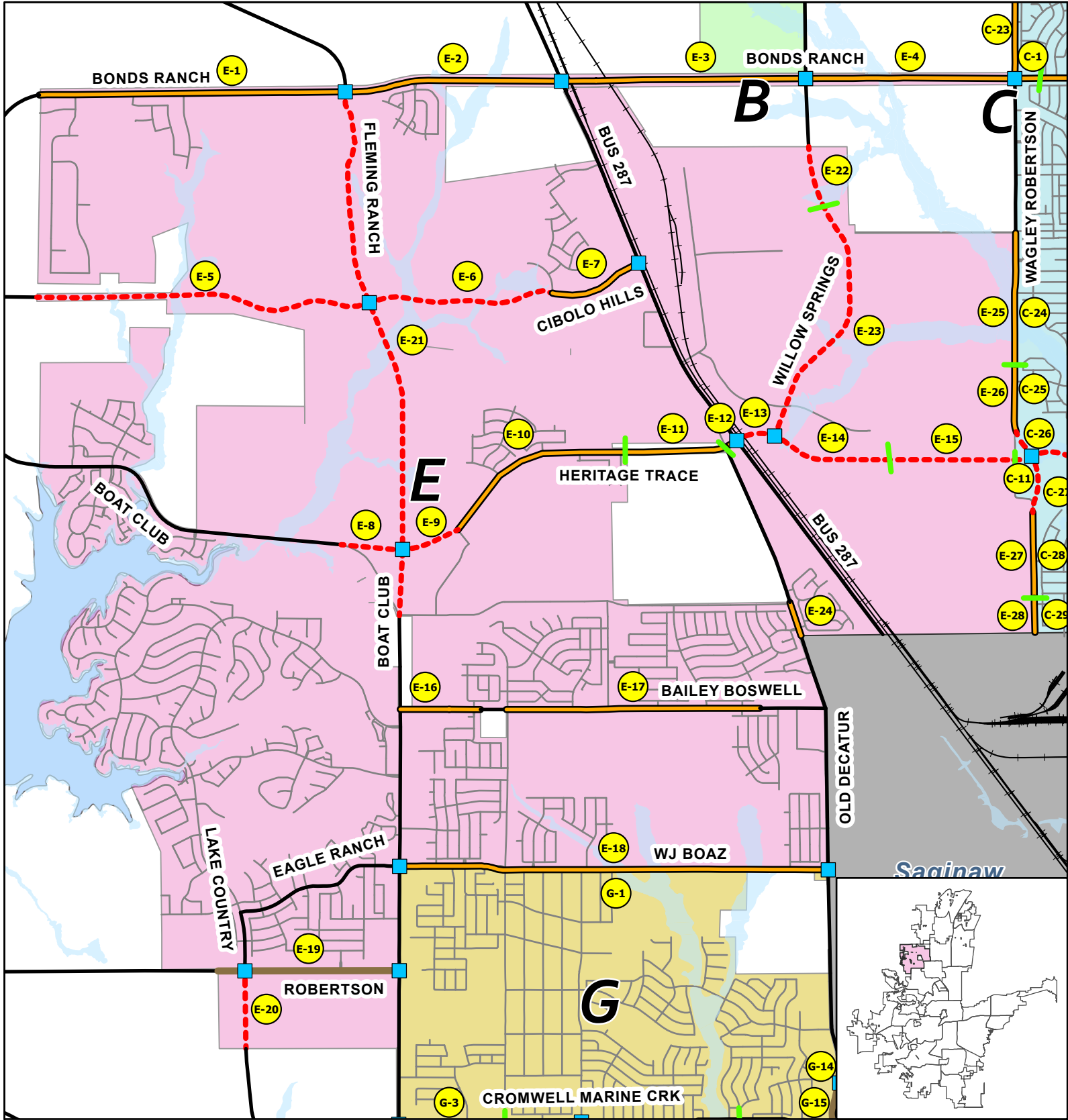
The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	D-42
Name:	Park Vista (9)	This project consists of the previously completed four-lane divided section neighborhood connector. The City contributed \$2,059,673 to this project.		
Limits:	Shiver to Tarrant			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	2,600			
Service Area(s):	D			
Impact Fee Project Cost TOTAL:			\$	2,059,673

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.



City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area E

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
E-1	NCO-L2-TO-TWLT-P0-BOP (110)	Bonds Ranch (1)	7710' W of Fleming Ranch to Fleming Ranch	Widening	100%	\$ 19,797,000	\$ 19,797,000
E-2	NCO-L2-TO-NTMS-P0-BOP (110)	Bonds Ranch (2)	Fleming Ranch to BUS 287	Widening	100%	\$ 15,911,000	\$ 15,911,000
E-3	NCO-L2-TO-NTMS-P0-BOP (110)	Bonds Ranch (3)	BUS 287 to Willow Springs	Widening	100%	\$ 18,601,000	\$ 18,601,000
E-4	NCO-L2-TO-NTMS-P0-BOP (110)	Bonds Ranch (4)	Willow Springs to Wagley Robertson	Widening	100%	\$ 15,236,000	\$ 15,236,000
E-5	NCO-L2-TO-TWLT-P0-BOP (110)	Eagle Mountain (1)	8515' W of Fleming Ranch to Fleming Ranch	New	100%	\$ 23,508,000	\$ 23,508,000
E-6	NCO-L2-TO-NTMS-P0-BOP (110)	Eagle Mountain (2)	Fleming Ranch to Shoshoni Dr	New	100%	\$ 15,373,000	\$ 15,373,000
E-7	NCO-L2-TO-NTMS-P0-BOP (110) (1/2)	Cibolo Hills	Shoshoni Dr to BUS 287	Widening	100%	\$ 2,989,000	\$ 2,989,000
E-8	NCO-L2-TO-NTMS-P0-BLS (110)	Boat Club (1)	1555' W of Fleming Ranch to Fleming Ranch	New	100%	\$ 4,037,000	\$ 4,037,000
E-9	NCO-L3-TO-NTMS-P0-BLS (130) (W)	Heritage Trace (1)	Boat Club (Future) to Laneyville	New	100%	\$ 4,081,000	\$ 4,081,000
E-10	NCO-L3-TO-NTMS-P0-BOP (130) (W) (1/2)	Heritage Trace (2)	720' E of Fleming Ranch to 5790' E of Fleming Ranch	Widening	100%	\$ 6,613,000	\$ 6,613,000
E-11	NCO-L3-TO-NTMS-P0-BOP (130) (W) (1/2)	Heritage Trace (3)	2505' W of Old Decatur to Old Decatur	Widening	50%	\$ 3,268,000	\$ 1,634,000
E-12	CCO-L3-TO-NTMS-P0-BLB (130) (W)	Heritage Trace (4)	Old Decatur to BUS 287	Widening	100%	\$ 936,000	\$ 936,000
E-13	CCO-L3-TO-NTMS-P0-BLB (130) (W)	Heritage Trace (5)	BUS 287 to Willow Springs	New	100%	\$ 5,956,000	\$ 5,956,000
E-14	CCO-L3-TO-NTMS-P0-BLB (130) (W)	Heritage Trace (6)	Willow Springs to 3005' E of Willow Springs	New	100%	\$ 10,997,000	\$ 10,997,000
E-15	CCO-L3-TO-NTMS-P0-BLB (130) (W)	Heritage Trace (7)	3005' E of Willow Springs to 275' W of Wagley Robertson	New	50%	\$ 9,206,000	\$ 4,603,000
E-16	NCO-L2-TO-NTMS-P0-BOP (110)	Bailey Boswell (1)	FM 1220 to 2020' E of FM 1220	Widening	50%	\$ 4,796,000	\$ 2,398,000
E-17	NCO-L2-TO-NTMS-P0-BOP (110)	Bailey Boswell (2)	35' W of Bowman Roberts to 440' E of Wind River	Widening	100%	\$ 15,181,000	\$ 15,181,000
E-18, G-1	NCO-L2-TO-NTMS-P0-BOP (110)	WJ Boaz	FM 1220 to Old Decatur Rd	Widening	50%	\$ 25,673,000	\$ 12,836,500
E-19	NCO-L2-TO-NTMS-P0-BOP (110)	Robertson	680' W of Lake Country to Boat Club	Previous	100%	\$ 6,105,868	\$ 6,105,868
E-20	NCO-L1-TO-TWLT-P0-BOP (80)	Edward Green (1)	Robertson to 1995' S of Robertson	New	100%	\$ 3,830,000	\$ 3,830,000
E-21	NCO-L3-TO-NTMS-P0-BLS (130) (W)	Fleming Ranch	Bonds Ranch to 1670' S of Heritage Trace	New	100%	\$ 40,510,000	\$ 40,510,000
E-22	NCO-L2-TO-NTMS-P0-BOP (110)	Willow Springs (8)	1725' S of Bonds Ranch to 3290' S of Bonds Ranch	New	100%	\$ 6,302,000	\$ 6,302,000
E-23	CCO-L2-TO-NTMS-P0-BOP (110)	Willow Springs (9)	6570' N of Heritage Trace to Heritage Trace	New	100%	\$ 18,646,000	\$ 18,646,000
E-24	NCO-L1-TO-TWLT-P0-BOP (80)	Old Decatur (1)	680' N of Milo to 195' S of Millstone	Widening	100%	\$ 1,572,000	\$ 1,572,000
C-24, E-25	NCO-L2-TO-TWLT-P0-BOP (110)	Wagley Robertson (6)	Magma to 415' N of High Summit	Widening	50%	\$ 13,087,000	\$ 6,543,500
C-25, E-26	NCO-L2-TO-NTMS-P0-BOP (110)	Wagley Robertson (7)	415' N of High Summit to 735' N of Heritage Trace	Widening	50%	\$ 4,059,000	\$ 2,029,500
C-28, E-27	NCO-L1-TO-TWLT-P0-BOP (80)	Wagley Robertson (10)	1230' N of Running Water to 145' N of Mystic River	Widening	50%	\$ 3,865,000	\$ 1,932,500
C-29, E-28	NCO-L1-TO-TWLT-P0-BOP (80)	Wagley Robertson (11)	145' N of Mystic River to 715' S of Mystic River	Widening	50%	\$ 1,536,000	\$ 768,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Cibolo Hills	BUS 287	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Bonds Ranch	Fleming Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Bonds Ranch	BUS 287	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Bonds Ranch	Willow Springs	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Eagle Mountain	Fleming Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Heritage Trace	BUS 287	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Heritage Trace	Willow Springs	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Heritage Trace	Fleming Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Robertson	Edward Green	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Robertson	FM 1220	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	WJ Boaz	FM 1220	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	WJ Boaz	Old Decatur	Rebuild	25%	\$ 2,500,000	\$ 625,000
NOTES:							
1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.							
2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.							

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-1
Name:	Bonds Ranch (1)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.		
Limits:	7710' W of Fleming Ranch to Fleming Ranch			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	7,710			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	25,272	cy	\$ 38.00	\$ 960,323
233	6" Lime Stabilization (with Lime @ 32#/sy)	49,687	sy	\$ 8.00	\$ 397,493
333	11" Concrete Pavement	47,973	sy	\$ 120.00	\$ 5,756,800
433	6" Curb and Gutter	15,420	lf	\$ 15.00	\$ 231,300
533	4" Topsoil	29,127	sy	\$ 5.00	\$ 145,633
633	10' Concrete Sidewalk	154,200	sf	\$ 10.00	\$ 1,542,000
731	Auxiliary Lanes and Median Openings Allotment	1,314	sf	\$ 128.00	\$ 168,218
Paving Construction Cost Subtotal:					\$ 9,201,768
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 276,053
✓	Traffic Control			3%	\$ 276,053
✓	Pavement Markings/Markers			2%	\$ 184,035
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,840,354
✓	Illumination			3%	\$ 244,374
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 644,124
✓	Establish Turf / Erosion Control			1%	\$ 92,018
✓	Basic Landscaping			2%	\$ 184,035
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,741,046
Paving and Allowance Subtotal:					\$ 12,942,815
Construction Contingency:					15% \$ 1,941,422
Construction Cost TOTAL:					\$ 14,885,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 14,885,000
Engineering/Survey/Testing:		18%	\$ 2,679,300
Mobilization		5%	\$ 744,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,488,500
Impact Fee Project Cost TOTAL:			\$ 19,797,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-2
Name:	Bonds Ranch (2)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Fleming Ranch to BUS 287			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,480			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	15,831	cy	\$ 38.00	\$ 601,582
230	6" Lime Stabilization (with Lime @ 32#/sy)	30,444	sy	\$ 8.00	\$ 243,556
330	11" Concrete Pavement	28,009	sy	\$ 120.00	\$ 3,361,067
430	6" Curb and Gutter	21,920	lf	\$ 15.00	\$ 328,800
530	4" Topsoil	26,791	sy	\$ 5.00	\$ 133,956
630	10' Concrete Sidewalk	109,600	sf	\$ 10.00	\$ 1,096,000
728	Auxiliary Lanes and Median Openings Allotment	2,200	sf	\$ 128.00	\$ 281,639
Paving Construction Cost Subtotal:					\$ 6,046,599
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 181,398
✓	Traffic Control			3%	\$ 181,398
✓	Pavement Markings/Markers			2%	\$ 120,932
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,209,320
✓	Illumination			3%	\$ 160,582
✓	Special Drainage Structures	Major Drainage Crossing		\$ 1,897,500	\$ 1,897,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 423,262
✓	Establish Turf / Erosion Control			1%	\$ 60,466
✓	Basic Landscaping			2%	\$ 120,932
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,355,789
Paving and Allowance Subtotal:					\$ 10,402,388
Construction Contingency:					15% \$ 1,560,358
Construction Cost TOTAL:					\$ 11,963,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,963,000
Engineering/Survey/Testing:		18%	\$ 2,153,340
Mobilization		5%	\$ 598,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,196,300
Impact Fee Project Cost TOTAL:			\$ 15,911,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-3
Name:	Bonds Ranch (3)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	BUS 287 to Willow Springs			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	6,155			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	17,781	cy	\$ 38.00	\$ 675,682
230	6" Lime Stabilization (with Lime @ 32#/sy)	34,194	sy	\$ 8.00	\$ 273,556
330	11" Concrete Pavement	31,459	sy	\$ 120.00	\$ 3,775,067
430	6" Curb and Gutter	24,620	lf	\$ 15.00	\$ 369,300
530	4" Topsoil	30,091	sy	\$ 5.00	\$ 150,456
630	10' Concrete Sidewalk	123,100	sf	\$ 10.00	\$ 1,231,000
728	Auxiliary Lanes and Median Openings Allotment	2,471	sf	\$ 128.00	\$ 316,330
Paving Construction Cost Subtotal:					\$ 6,791,390
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 203,742
✓	Traffic Control			3%	\$ 203,742
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 135,828
✓	Roadway Drainage			20%	\$ 1,358,278
✓	Illumination			3%	\$ 180,361
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 475,397
✓	Establish Turf / Erosion Control			1%	\$ 67,914
✓	Basic Landscaping			2%	\$ 135,828
✓	Other:	Railroad Crossings x3		\$0	\$ 3,000,000
Allowance Subtotal:					\$ 5,761,089
Paving and Allowance Subtotal:					\$ 12,552,479
Construction Contingency:					15% \$ 1,432,872
Construction Cost TOTAL:					\$ 13,986,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,986,000
Engineering/Survey/Testing:		18%	\$ 2,517,480
Mobilization		5%	\$ 699,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,398,600
Impact Fee Project Cost TOTAL:			\$ 18,601,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-4
Name:	Bonds Ranch (4)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Willow Springs to Wagley Robertson			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,270			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	15,224	cy	\$ 38.00	\$ 578,529
230	6" Lime Stabilization (with Lime @ 32#/sy)	29,278	sy	\$ 8.00	\$ 234,222
330	11" Concrete Pavement	26,936	sy	\$ 120.00	\$ 3,232,267
430	6" Curb and Gutter	21,080	lf	\$ 15.00	\$ 316,200
530	4" Topsoil	25,764	sy	\$ 5.00	\$ 128,822
630	10' Concrete Sidewalk	105,400	sf	\$ 10.00	\$ 1,054,000
728	Auxiliary Lanes and Median Openings Allotment	2,116	sf	\$ 128.00	\$ 270,846
Paving Construction Cost Subtotal:					\$ 5,814,886
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 174,447
✓	Traffic Control			3%	\$ 174,447
✓	Pavement Markings/Markers			2%	\$ 116,298
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,162,977
✓	Illumination			3%	\$ 154,428
✓	Special Drainage Structures	Major Drainage Crossing		\$ 1,782,000	\$ 1,782,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 407,042
✓	Establish Turf / Erosion Control			1%	\$ 58,149
✓	Basic Landscaping			2%	\$ 116,298
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,146,085
Paving and Allowance Subtotal:					\$ 9,960,971
Construction Contingency:					15% \$ 1,494,146
Construction Cost TOTAL:					\$ 11,456,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,456,000
Engineering/Survey/Testing:		18%	\$ 2,062,080
Mobilization		5%	\$ 572,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,145,600
Impact Fee Project Cost TOTAL:			\$ 15,236,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-5
Name:	Eagle Mountain (1)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	8515' W of Fleming Ranch to Fleming Ranch			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	8,515			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	27,910	cy	\$ 38.00	\$ 1,060,591
233	6" Lime Stabilization (with Lime @ 32#/sy)	54,874	sy	\$ 8.00	\$ 438,996
333	11" Concrete Pavement	52,982	sy	\$ 120.00	\$ 6,357,867
433	6" Curb and Gutter	17,030	lf	\$ 15.00	\$ 255,450
533	4" Topsoil	32,168	sy	\$ 5.00	\$ 160,839
633	10' Concrete Sidewalk	170,300	sf	\$ 10.00	\$ 1,703,000
731	Auxiliary Lanes and Median Openings Allotment	1,451	sf	\$ 128.00	\$ 185,782
Paving Construction Cost Subtotal:					\$ 10,162,523
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 304,876
✓	Traffic Control			3%	\$ 304,876
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 203,250
✓	Roadway Drainage			20%	\$ 2,032,505
✓	Illumination			3%	\$ 269,890
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 711,377
✓	Establish Turf / Erosion Control			1%	\$ 101,625
✓	Basic Landscaping			2%	\$ 203,250
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,131,648
Paving and Allowance Subtotal:					\$ 14,294,172
Construction Contingency:					15% \$ 2,144,126
Construction Cost TOTAL:					\$ 16,439,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 16,439,000
Engineering/Survey/Testing:		18%	\$ 2,959,020
Mobilization		5%	\$ 821,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 3,287,800
Impact Fee Project Cost TOTAL:			\$ 23,508,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-6
Name:	Eagle Mountain (2)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Fleming Ranch to Shoshoni Dr			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,715			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	13,621	cy	\$ 38.00	\$ 517,602
230	6" Lime Stabilization (with Lime @ 32#/sy)	26,194	sy	\$ 8.00	\$ 209,556
330	11" Concrete Pavement	24,099	sy	\$ 120.00	\$ 2,891,867
430	6" Curb and Gutter	18,860	lf	\$ 15.00	\$ 282,900
530	4" Topsoil	23,051	sy	\$ 5.00	\$ 115,256
630	10' Concrete Sidewalk	94,300	sf	\$ 10.00	\$ 943,000
728	Auxiliary Lanes and Median Openings Allotment	1,893	sf	\$ 128.00	\$ 242,322
Paving Construction Cost Subtotal:					\$ 5,202,502
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 156,075
✓	Traffic Control			3%	\$ 156,075
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 104,050
✓	Roadway Drainage			20%	\$ 1,040,500
✓	Illumination			3%	\$ 138,165
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,029,500	\$ 2,029,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 364,175
✓	Establish Turf / Erosion Control			1%	\$ 52,025
✓	Basic Landscaping			2%	\$ 104,050
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,144,616
Paving and Allowance Subtotal:					\$ 9,347,118
Construction Contingency:					15% \$ 1,402,068
Construction Cost TOTAL:					\$ 10,750,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,750,000
Engineering/Survey/Testing:		18%	\$ 1,935,000
Mobilization		5%	\$ 537,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,150,000
Impact Fee Project Cost TOTAL:			\$ 15,373,000

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City of Fort Worth
2022 Transportation Impact Fee Study
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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-7
Name:	Cibolo Hills	This project consists of the construction of the westbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Shoshoni Dr to BUS 287			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,405			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,474	cy	\$ 38.00	\$ 132,008
231	6" Lime Stabilization (with Lime @ 32#/sy)	6,681	sy	\$ 8.00	\$ 53,444
331	11" Concrete Pavement	6,146	sy	\$ 120.00	\$ 737,533
431	6" Curb and Gutter	4,810	lf	\$ 15.00	\$ 72,150
531	4" Topsoil	5,879	sy	\$ 5.00	\$ 29,394
631	10' Concrete Sidewalk	24,050	sf	\$ 10.00	\$ 240,500
729	Auxiliary Lanes and Median Openings Allotment	966	sf	\$ 128.00	\$ 123,602
Paving Construction Cost Subtotal:					\$ 1,388,632
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 41,659
✓	Traffic Control			3%	\$ 41,659
✓	Pavement Markings/Markers			2%	\$ 27,773
✓	Roadway Drainage	Standard Internal System		20%	\$ 277,726
✓	Illumination			3%	\$ 36,878
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 97,204
✓	Establish Turf / Erosion Control			1%	\$ 13,886
✓	Basic Landscaping			2%	\$ 27,773
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 564,559
Paving and Allowance Subtotal:					\$ 1,953,191
Construction Contingency:					15% \$ 292,979
Construction Cost TOTAL:					\$ 2,247,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,247,000
Engineering/Survey/Testing:		18%	\$ 404,460
Mobilization		5%	\$ 112,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 224,700
Impact Fee Project Cost TOTAL:			\$ 2,989,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-8
Name:	Boat Club (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	1555' W of Fleming Ranch to Fleming Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,555			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	4,492	cy	\$ 38.00	\$ 170,704
228	6" Lime Stabilization (with Lime @ 32#/sy)	8,639	sy	\$ 8.00	\$ 69,111
328	11" Concrete Pavement	7,948	sy	\$ 120.00	\$ 953,733
428	6" Curb and Gutter	6,220	lf	\$ 15.00	\$ 93,300
528	4" Topsoil	7,257	sy	\$ 5.00	\$ 36,283
628	11' Concrete Sidewalk	34,210	sf	\$ 10.00	\$ 342,100
726	Auxiliary Lanes and Median Openings Allotment	624	sf	\$ 128.00	\$ 79,918
Paving Construction Cost Subtotal:					\$ 1,745,150
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 52,354
✓	Traffic Control			3%	\$ 52,354
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 34,903
✓	Roadway Drainage			20%	\$ 349,030
✓	Illumination			3%	\$ 46,347
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 122,160
✓	Establish Turf / Erosion Control			1%	\$ 17,451
✓	Basic Landscaping			2%	\$ 34,903
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 709,503
Paving and Allowance Subtotal:					\$ 2,454,653
Construction Contingency:					15% \$ 368,198
Construction Cost TOTAL:					\$ 2,823,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,823,000
Engineering/Survey/Testing:		18%	\$ 508,140
Mobilization		5%	\$ 141,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 564,600
Impact Fee Project Cost TOTAL:			\$ 4,037,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-9
Name:	Heritage Trace (1)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Boat Club (Future) to Laneyville			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	1,495			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
109	Unclassified Street Excavation	6,146	cy	\$ 38.00	\$ 233,552
209	6" Lime Stabilization (with Lime @ 32#/sy)	8,306	sy	\$ 8.00	\$ 66,444
309	11" Concrete Pavement	7,641	sy	\$ 120.00	\$ 916,933
409	6" Curb and Gutter	5,980	lf	\$ 15.00	\$ 89,700
509	4" Topsoil	10,299	sy	\$ 5.00	\$ 51,494
609	11' Concrete Sidewalk	32,890	sf	\$ 10.00	\$ 328,900
707	Auxiliary Lanes and Median Openings Allotment	600	sf	\$ 128.00	\$ 76,834
Paving Construction Cost Subtotal:					\$ 1,763,858
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 52,916
✓	Traffic Control			3%	\$ 52,916
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 35,277
✓	Roadway Drainage			20%	\$ 352,772
✓	Illumination			3%	\$ 46,843
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 123,470
✓	Establish Turf / Erosion Control			1%	\$ 17,639
✓	Basic Landscaping			2%	\$ 35,277
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 717,110
Paving and Allowance Subtotal:					\$ 2,480,968
Construction Contingency:					15% \$ 372,145
Construction Cost TOTAL:					\$ 2,854,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,854,000
Engineering/Survey/Testing:		18%	\$ 513,720
Mobilization		5%	\$ 142,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 570,800
Impact Fee Project Cost TOTAL:			\$ 4,081,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-10
Name:	Heritage Trace (2)	This project consists of the construction of the westbound lanes as a four-lane divided neighborhood connector with a wide median.		
Limits:	720' E of Fleming Ranch to 5790' E of Fleming Ranch			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	5,070			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
114	Unclassified Street Excavation	10,422	cy	\$ 38.00	\$ 396,023
214	6" Lime Stabilization (with Lime @ 32#/sy)	14,083	sy	\$ 8.00	\$ 112,667
314	11" Concrete Pavement	12,957	sy	\$ 120.00	\$ 1,554,800
414	6" Curb and Gutter	10,140	lf	\$ 15.00	\$ 152,100
514	4" Topsoil	18,027	sy	\$ 5.00	\$ 90,133
614	10' Concrete Sidewalk	50,700	sf	\$ 10.00	\$ 507,000
712	Auxiliary Lanes and Median Openings Allotment	2,036	sf	\$ 128.00	\$ 260,567
Paving Construction Cost Subtotal:					\$ 3,073,291
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 92,199
✓	Traffic Control			3%	\$ 92,199
✓	Pavement Markings/Markers			2%	\$ 61,466
✓	Roadway Drainage	Standard Internal System		20%	\$ 614,658
✓	Illumination			3%	\$ 81,618
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 215,130
✓	Establish Turf / Erosion Control			1%	\$ 30,733
✓	Basic Landscaping			2%	\$ 61,466
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,249,469
Paving and Allowance Subtotal:					\$ 4,322,759
Construction Contingency:					15% \$ 648,414
Construction Cost TOTAL:					\$ 4,972,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,972,000
Engineering/Survey/Testing:		18%	\$ 894,960
Mobilization		5%	\$ 248,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 497,200
Impact Fee Project Cost TOTAL:			\$ 6,613,000

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City of Fort Worth
2022 Transportation Impact Fee Study
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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-11	
Name:	Heritage Trace (3)	This project consists of the construction of the westbound lanes as a four-lane divided neighborhood connector with a wide median.			
Limits:	2505' W of Old Decatur to Old Decatur				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	2,505				
Service Area(s):	E				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
114	Unclassified Street Excavation	5,149	cy	\$ 38.00	\$ 195,668
214	6" Lime Stabilization (with Lime @ 32#/sy)	6,958	sy	\$ 8.00	\$ 55,667
314	11" Concrete Pavement	6,402	sy	\$ 120.00	\$ 768,200
414	6" Curb and Gutter	5,010	lf	\$ 15.00	\$ 75,150
514	4" Topsoil	8,907	sy	\$ 5.00	\$ 44,533
614	10' Concrete Sidewalk	25,050	sf	\$ 10.00	\$ 250,500
712	Auxiliary Lanes and Median Openings Allotment	1,006	sf	\$ 128.00	\$ 128,742
Paving Construction Cost Subtotal:					\$ 1,518,460
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	45,554
✓	Traffic Control		3%	\$	45,554
✓	Pavement Markings/Markers		2%	\$	30,369
✓	Roadway Drainage	Standard Internal System	20%	\$	303,692
✓	Illumination		3%	\$	40,326
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	106,292
✓	Establish Turf / Erosion Control		1%	\$	15,185
✓	Basic Landscaping		2%	\$	30,369
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 617,341
Paving and Allowance Subtotal:					\$ 2,135,801
Construction Contingency:					15% \$ 320,370
Construction Cost TOTAL:					\$ 2,457,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,457,000
Engineering/Survey/Testing:		18%	\$ 442,260
Mobilization		5%	\$ 122,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 245,700
Impact Fee Project Cost TOTAL:			\$ 3,268,000

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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.		E-12
Name:	Heritage Trace (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector with a wide median.			
Limits:	Old Decatur to BUS 287				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	325				
Service Area(s):	E				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	1,625	cy	\$ 38.00	\$ 61,750
203	6" Lime Stabilization (with Lime @ 32#/sy)	2,383	sy	\$ 8.00	\$ 19,067
303	11" Concrete Pavement	2,239	sy	\$ 120.00	\$ 268,667
403	6" Curb and Gutter	1,300	lf	\$ 15.00	\$ 19,500
503	4" Topsoil	2,022	sy	\$ 5.00	\$ 10,111
603	6' Concrete Sidewalk	3,900	sf	\$ 10.00	\$ 39,000
701	Auxiliary Lanes and Median Openings Allotment	130	sf	\$ 128.00	\$ 16,703
Paving Construction Cost Subtotal:					\$ 434,797
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	13,044
✓	Traffic Control		3%	\$	13,044
✓	Pavement Markings/Markers		2%	\$	8,696
✓	Roadway Drainage	Standard Internal System	20%	\$	86,959
✓	Illumination		3%	\$	11,547
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	30,436
✓	Establish Turf / Erosion Control		1%	\$	4,348
✓	Basic Landscaping		2%	\$	8,696
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 176,770
Paving and Allowance Subtotal:					\$ 611,568
Construction Contingency:					15% \$ 91,735
Construction Cost TOTAL:					\$ 704,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 704,000
Engineering/Survey/Testing:		18%	\$ 126,720
Mobilization		5%	\$ 35,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 70,400
Impact Fee Project Cost TOTAL:			\$ 936,000

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City of Fort Worth
2022 Transportation Impact Fee Study
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Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-13
Name:	Heritage Trace (5)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	BUS 287 to Willow Springs			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	1,000			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	5,000	cy	\$ 38.00	\$ 190,000
203	6" Lime Stabilization (with Lime @ 32#/sy)	7,333	sy	\$ 8.00	\$ 58,667
303	11" Concrete Pavement	6,889	sy	\$ 120.00	\$ 826,667
403	6" Curb and Gutter	4,000	lf	\$ 15.00	\$ 60,000
503	4" Topsoil	6,222	sy	\$ 5.00	\$ 31,111
603	6' Concrete Sidewalk	12,000	sf	\$ 10.00	\$ 120,000
701	Auxiliary Lanes and Median Openings Allotment	402	sf	\$ 128.00	\$ 51,394
Paving Construction Cost Subtotal:					\$ 1,337,838
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 40,135
✓	Traffic Control			3%	\$ 40,135
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 26,757
✓	Roadway Drainage			20%	\$ 267,568
✓	Illumination			3%	\$ 35,529
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 93,649
✓	Establish Turf / Erosion Control			1%	\$ 13,378
✓	Basic Landscaping			2%	\$ 26,757
✓	Other:	Double Railroad Crossing		\$2,000,000	\$ 2,000,000
Allowance Subtotal:					\$ 2,543,908
Paving and Allowance Subtotal:					\$ 3,881,746
Construction Contingency:					15% \$ 282,262
Construction Cost TOTAL:					\$ 4,165,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,165,000
Engineering/Survey/Testing:		18%	\$ 749,700
Mobilization		5%	\$ 208,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 833,000
Impact Fee Project Cost TOTAL:			\$ 5,956,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-14
Name:	Heritage Trace (6)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	Willow Springs to 3005' E of Willow Springs			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	3,005			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	15,025	cy	\$ 38.00	\$ 570,950
203	6" Lime Stabilization (with Lime @ 32#/sy)	22,037	sy	\$ 8.00	\$ 176,293
303	11" Concrete Pavement	20,701	sy	\$ 120.00	\$ 2,484,133
403	6" Curb and Gutter	12,020	lf	\$ 15.00	\$ 180,300
503	4" Topsoil	18,698	sy	\$ 5.00	\$ 93,489
603	6' Concrete Sidewalk	36,060	sf	\$ 10.00	\$ 360,600
701	Auxiliary Lanes and Median Openings Allotment	1,207	sf	\$ 128.00	\$ 154,439
Paving Construction Cost Subtotal:					\$ 4,020,204
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 120,606
✓	Traffic Control			3%	\$ 120,606
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 80,404
✓	Roadway Drainage			20%	\$ 804,041
✓	Illumination			3%	\$ 106,766
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,032,000	\$ 1,032,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 281,414
✓	Establish Turf / Erosion Control			1%	\$ 40,202
✓	Basic Landscaping			2%	\$ 80,404
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,666,444
Paving and Allowance Subtotal:					\$ 6,686,648
Construction Contingency:					15% \$ 1,002,997
Construction Cost TOTAL:					\$ 7,690,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,690,000
Engineering/Survey/Testing:		18%	\$ 1,384,200
Mobilization		5%	\$ 384,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,538,000
Impact Fee Project Cost TOTAL:			\$ 10,997,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-15
Name:	Heritage Trace (7)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	3005' E of Willow Springs to 275' W of Wagley Robertson			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,975			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
103	Unclassified Street Excavation	14,875	cy	\$ 38.00	\$ 565,250
203	6" Lime Stabilization (with Lime @ 32#/sy)	21,817	sy	\$ 8.00	\$ 174,533
303	11" Concrete Pavement	20,494	sy	\$ 120.00	\$ 2,459,333
403	6" Curb and Gutter	11,900	lf	\$ 15.00	\$ 178,500
503	4" Topsoil	18,511	sy	\$ 5.00	\$ 92,556
603	6' Concrete Sidewalk	35,700	sf	\$ 10.00	\$ 357,000
701	Auxiliary Lanes and Median Openings Allotment	1,195	sf	\$ 128.00	\$ 152,897
Paving Construction Cost Subtotal:					\$ 3,980,069
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 119,402
✓	Traffic Control			3%	\$ 119,402
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 79,601
✓	Roadway Drainage			20%	\$ 796,014
✓	Illumination			3%	\$ 105,700
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 278,605
✓	Establish Turf / Erosion Control			1%	\$ 39,801
✓	Basic Landscaping			2%	\$ 79,601
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,618,126
Paving and Allowance Subtotal:					\$ 5,598,196
Construction Contingency:					15% \$ 839,729
Construction Cost TOTAL:					\$ 6,438,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,438,000
Engineering/Survey/Testing:		18%	\$ 1,158,840
Mobilization		5%	\$ 321,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,287,600
Impact Fee Project Cost TOTAL:			\$ 9,206,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-16
Name:	Bailey Boswell (1)	This project consists of the reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	FM 1220 to 2020' E of FM 1220			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,020			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	5,836	cy	\$ 38.00	\$ 221,751
230	6" Lime Stabilization (with Lime @ 32#/sy)	11,222	sy	\$ 8.00	\$ 89,778
330	11" Concrete Pavement	10,324	sy	\$ 120.00	\$ 1,238,933
430	6" Curb and Gutter	8,080	lf	\$ 15.00	\$ 121,200
530	4" Topsoil	9,876	sy	\$ 5.00	\$ 49,378
630	10' Concrete Sidewalk	40,400	sf	\$ 10.00	\$ 404,000
728	Auxiliary Lanes and Median Openings Allotment	811	sf	\$ 128.00	\$ 103,816
Paving Construction Cost Subtotal:					\$ 2,228,856
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 66,866
✓	Traffic Control			3%	\$ 66,866
✓	Pavement Markings/Markers			2%	\$ 44,577
✓	Roadway Drainage	Standard Internal System		20%	\$ 445,771
✓	Illumination			3%	\$ 59,192
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 156,020
✓	Establish Turf / Erosion Control			1%	\$ 22,289
✓	Basic Landscaping			2%	\$ 44,577
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 906,158
Paving and Allowance Subtotal:					\$ 3,135,013
Construction Contingency:					15% \$ 470,252
Construction Cost TOTAL:					\$ 3,606,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,606,000
Engineering/Survey/Testing:		18%	\$ 649,080
Mobilization		5%	\$ 180,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 360,600
Impact Fee Project Cost TOTAL:			\$ 4,796,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-17
Name:	Bailey Boswell (2)	This project consists of the reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	35' W of Bowman Roberts to 440' E of Wind River			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	6,395			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	18,474	cy	\$ 38.00	\$ 702,029
230	6" Lime Stabilization (with Lime @ 32#/sy)	35,528	sy	\$ 8.00	\$ 284,222
330	11" Concrete Pavement	32,686	sy	\$ 120.00	\$ 3,922,267
430	6" Curb and Gutter	25,580	lf	\$ 15.00	\$ 383,700
530	4" Topsoil	31,264	sy	\$ 5.00	\$ 156,322
630	10' Concrete Sidewalk	127,900	sf	\$ 10.00	\$ 1,279,000
728	Auxiliary Lanes and Median Openings Allotment	2,568	sf	\$ 128.00	\$ 328,664
Paving Construction Cost Subtotal:					\$ 7,056,204
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 211,686
✓	Traffic Control			3%	\$ 211,686
✓	Pavement Markings/Markers			2%	\$ 141,124
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,411,241
✓	Illumination			3%	\$ 187,394
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 493,934
✓	Establish Turf / Erosion Control			1%	\$ 70,562
✓	Basic Landscaping			2%	\$ 141,124
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,868,752
Paving and Allowance Subtotal:					\$ 9,924,956
Construction Contingency:					15% \$ 1,488,743
Construction Cost TOTAL:					\$ 11,414,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,414,000
Engineering/Survey/Testing:		18%	\$ 2,054,520
Mobilization		5%	\$ 570,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,141,400
Impact Fee Project Cost TOTAL:			\$ 15,181,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.
Name:	Wj Boaz	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.	E-18, G-1
Limits:	FM 1220 to Old Decatur Rd		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	10,815		
Service Area(s):	E, G		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	31,243	cy	\$ 38.00	\$ 1,187,247
230	6" Lime Stabilization (with Lime @ 32#/sy)	60,083	sy	\$ 8.00	\$ 480,667
330	11" Concrete Pavement	55,277	sy	\$ 120.00	\$ 6,633,200
430	6" Curb and Gutter	43,260	lf	\$ 15.00	\$ 648,900
530	4" Topsoil	52,873	sy	\$ 5.00	\$ 264,367
630	10' Concrete Sidewalk	216,300	sf	\$ 10.00	\$ 2,163,000
728	Auxiliary Lanes and Median Openings Allotment	4,342	sf	\$ 128.00	\$ 555,825
Paving Construction Cost Subtotal:					\$ 11,933,205
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 357,996
✓	Traffic Control			3%	\$ 357,996
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 238,664
✓	Roadway Drainage			20%	\$ 2,386,641
✓	Illumination			3%	\$ 316,914
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 835,324
✓	Establish Turf / Erosion Control			1%	\$ 119,332
✓	Basic Landscaping			2%	\$ 238,664
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,851,532
Paving and Allowance Subtotal:					\$ 16,784,738
Construction Contingency:					15% \$ 2,517,711
Construction Cost TOTAL:					\$ 19,303,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 19,303,000
Engineering/Survey/Testing:		18%	\$ 3,474,540
Mobilization		5%	\$ 965,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,930,300
Impact Fee Project Cost TOTAL:			\$ 25,673,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No.	E-19
Name:	Robertson	This project consists of the construction of the previously completed four-lane divided neighborhood connector. The City contributed \$6,105,868 to this project.		
Limits:	680' W of Lake Country to Boat Club			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,570			
Service Area(s):	E			
Impact Fee Project Cost TOTAL:			\$	6,105,868

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-20	
Name:	Edward Green (1)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	Robertson to 1995' S of Robertson				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	1,995				
Service Area(s):	E				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,101	cy	\$ 38.00	\$ 155,832
241	6" Lime Stabilization (with Lime @ 32#/sy)	7,980	sy	\$ 8.00	\$ 63,840
341	11" Concrete Pavement	7,537	sy	\$ 120.00	\$ 904,400
441	6" Curb and Gutter	3,990	lf	\$ 15.00	\$ 59,850
541	4" Topsoil	5,763	sy	\$ 5.00	\$ 28,817
641	10' Concrete Sidewalk	39,900	sf	\$ 10.00	\$ 399,000
739	Auxiliary Lanes and Median Openings Allotment	340	sf	\$ 128.00	\$ 43,527
Paving Construction Cost Subtotal:					\$ 1,655,266
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 49,658
✓	Traffic Control			3%	\$ 49,658
✓	Pavement Markings/Markers			2%	\$ 33,105
✓	Roadway Drainage	Standard Internal System		20%	\$ 331,053
✓	Illumination			3%	\$ 43,959
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 115,869
✓	Establish Turf / Erosion Control			1%	\$ 16,553
✓	Basic Landscaping			2%	\$ 33,105
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 672,960
Paving and Allowance Subtotal:					\$ 2,328,226
Construction Contingency:					15% \$ 349,234
Construction Cost TOTAL:					\$ 2,678,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,678,000
Engineering/Survey/Testing:		18%	\$ 482,040
Mobilization		5%	\$ 133,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 535,600
Impact Fee Project Cost TOTAL:			\$ 3,830,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-21	
Name:	Fleming Ranch	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Bonds Ranch to 1670' S of Heritage Trace				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BLS (130) (W)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	13,515				
Service Area(s):	E				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
109	Unclassified Street Excavation	55,562	cy	\$ 38.00	\$ 2,111,343
209	6" Lime Stabilization (with Lime @ 32#/sy)	75,083	sy	\$ 8.00	\$ 600,667
309	11" Concrete Pavement	69,077	sy	\$ 120.00	\$ 8,289,200
409	6" Curb and Gutter	54,060	lf	\$ 15.00	\$ 810,900
509	4" Topsoil	93,103	sy	\$ 5.00	\$ 465,517
609	11' Concrete Sidewalk	297,330	sf	\$ 10.00	\$ 2,973,300
707	Auxiliary Lanes and Median Openings Allotment	5,426	sf	\$ 128.00	\$ 694,589
Paving Construction Cost Subtotal:					\$ 15,945,516
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 478,365
✓	Traffic Control			3%	\$ 478,365
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 318,910
✓	Roadway Drainage			20%	\$ 3,189,103
✓	Illumination			3%	\$ 423,470
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,205,000	\$ 2,205,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 1,116,186
✓	Establish Turf / Erosion Control			1%	\$ 159,455
✓	Basic Landscaping			2%	\$ 318,910
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 8,687,766
Paving and Allowance Subtotal:					\$ 24,633,282
Construction Contingency:					15% \$ 3,694,992
Construction Cost TOTAL:					\$ 28,329,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 28,329,000
Engineering/Survey/Testing:		18%	\$ 5,099,220
Mobilization		5%	\$ 1,416,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 5,665,800
Impact Fee Project Cost TOTAL:			\$ 40,510,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-22
Name:	Willow Springs (8)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	1725' S of Bonds Ranch to 3290' S of Bonds Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,565			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,521	cy	\$ 38.00	\$ 171,802
230	6" Lime Stabilization (with Lime @ 32#/sy)	8,694	sy	\$ 8.00	\$ 69,556
330	11" Concrete Pavement	7,999	sy	\$ 120.00	\$ 959,867
430	6" Curb and Gutter	6,260	lf	\$ 15.00	\$ 93,900
530	4" Topsoil	7,651	sy	\$ 5.00	\$ 38,256
630	10' Concrete Sidewalk	31,300	sf	\$ 10.00	\$ 313,000
728	Auxiliary Lanes and Median Openings Allotment	628	sf	\$ 128.00	\$ 80,432
Paving Construction Cost Subtotal:					\$ 1,726,812
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 51,804
✓	Traffic Control			3%	\$ 51,804
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 34,536
✓	Roadway Drainage			20%	\$ 345,362
✓	Illumination			3%	\$ 45,860
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,402,500	\$ 1,402,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 120,877
✓	Establish Turf / Erosion Control			1%	\$ 17,268
✓	Basic Landscaping			2%	\$ 34,536
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,104,548
Paving and Allowance Subtotal:					\$ 3,831,359
Construction Contingency:					15% \$ 574,704
Construction Cost TOTAL:					\$ 4,407,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,407,000
Engineering/Survey/Testing:		18%	\$ 793,260
Mobilization		5%	\$ 220,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 881,400
Impact Fee Project Cost TOTAL:			\$ 6,302,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-23
Name:	Willow Springs (9)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	6570' N of Heritage Trace to Heritage Trace			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	6,570			
Service Area(s):	E			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	19,710	cy	\$ 38.00	\$ 748,980
223	6" Lime Stabilization (with Lime @ 32#/sy)	37,960	sy	\$ 8.00	\$ 303,680
323	11" Concrete Pavement	35,040	sy	\$ 120.00	\$ 4,204,800
423	6" Curb and Gutter	26,280	lf	\$ 15.00	\$ 394,200
523	4" Topsoil	30,660	sy	\$ 5.00	\$ 153,300
623	10' Concrete Sidewalk	131,400	sf	\$ 10.00	\$ 1,314,000
721	Auxiliary Lanes and Median Openings Allotment	2,638	sf	\$ 128.00	\$ 337,658
Paving Construction Cost Subtotal:					\$ 7,456,618
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 223,699
✓	Traffic Control			3%	\$ 223,699
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 149,132
✓	Roadway Drainage			20%	\$ 1,491,324
✓	Illumination			3%	\$ 198,028
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 850,000	\$ 850,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 521,963
✓	Establish Turf / Erosion Control			1%	\$ 74,566
✓	Basic Landscaping			2%	\$ 149,132
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,881,543
Paving and Allowance Subtotal:					\$ 11,338,161
Construction Contingency:					15% \$ 1,700,724
Construction Cost TOTAL:					\$ 13,039,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,039,000
Engineering/Survey/Testing:		18%	\$ 2,347,020
Mobilization		5%	\$ 651,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,607,800
Impact Fee Project Cost TOTAL:			\$ 18,646,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No.	E-24	
Name:	Old Decatur (1)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.			
Limits:	680' N of Milo to 195' S of Millstone				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	880				
Service Area(s):	E				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,809	cy	\$ 38.00	\$ 68,738
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,520	sy	\$ 8.00	\$ 28,160
341	11" Concrete Pavement	3,324	sy	\$ 120.00	\$ 398,933
441	6" Curb and Gutter	1,760	lf	\$ 15.00	\$ 26,400
541	4" Topsoil	2,542	sy	\$ 5.00	\$ 12,711
641	10' Concrete Sidewalk	17,600	sf	\$ 10.00	\$ 176,000
739	Auxiliary Lanes and Median Openings Allotment	150	sf	\$ 128.00	\$ 19,200
Paving Construction Cost Subtotal:					\$ 730,142
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	21,904
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	21,904
✓	Pavement Markings/Markers		2%	\$	14,603
✓	Roadway Drainage	Standard Internal System	20%	\$	146,028
✓	Illumination		3%	\$	19,391
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	51,110
✓	Establish Turf / Erosion Control		1%	\$	7,301
✓	Basic Landscaping		2%	\$	14,603
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 296,845
Paving and Allowance Subtotal:					\$ 1,026,987
Construction Contingency:					15% \$ 154,048
Construction Cost TOTAL:					\$ 1,182,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,182,000
Engineering/Survey/Testing:		18%	\$ 212,760
Mobilization		5%	\$ 59,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 118,200
Impact Fee Project Cost TOTAL:			\$ 1,572,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/25/2022

Project Information:		Description:	Project No. C-24, E-25
Name:	Wagley Robertson (6)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.	
Limits:	Magma to 415' N of High Summit		
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)		
Ultimate Class:	5 Lane Undivided Neighborhood Connector		
Length (lf):	3,310		
Service Area(s):	E, C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	10,849	cy	\$ 38.00	\$ 412,279
233	6" Lime Stabilization (with Lime @ 32#/sy)	21,331	sy	\$ 8.00	\$ 170,649
333	11" Concrete Pavement	20,596	sy	\$ 120.00	\$ 2,471,467
433	6" Curb and Gutter	6,620	lf	\$ 15.00	\$ 99,300
533	4" Topsoil	12,504	sy	\$ 5.00	\$ 62,522
633	10' Concrete Sidewalk	66,200	sf	\$ 10.00	\$ 662,000
731	Auxiliary Lanes and Median Openings Allotment	564	sf	\$ 128.00	\$ 72,218
Paving Construction Cost Subtotal:					\$ 3,950,435
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 118,513
✓	Traffic Control			3%	\$ 118,513
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 79,009
✓	Roadway Drainage			20%	\$ 790,087
✓	Illumination			3%	\$ 104,913
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 276,530
✓	Establish Turf / Erosion Control			1%	\$ 39,504
✓	Basic Landscaping			2%	\$ 79,009
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,606,078
Paving and Allowance Subtotal:					\$ 8,556,513
Construction Contingency:					15% \$ 1,283,477
Construction Cost TOTAL:					\$ 9,840,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,840,000
Engineering/Survey/Testing:		18%	\$ 1,771,200
Mobilization		5%	\$ 492,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 984,000
Impact Fee Project Cost TOTAL:			\$ 13,087,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. C-25, E-26
Name:	Wagley Robertson (7)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.	
Limits:	415' N of High Summit to 735' N of Heritage Trace		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	1,710		
Service Area(s):	E, C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,940	cy	\$ 38.00	\$ 187,720
230	6" Lime Stabilization (with Lime @ 32#/sy)	9,500	sy	\$ 8.00	\$ 76,000
330	11" Concrete Pavement	8,740	sy	\$ 120.00	\$ 1,048,800
430	6" Curb and Gutter	6,840	lf	\$ 15.00	\$ 102,600
530	4" Topsoil	8,360	sy	\$ 5.00	\$ 41,800
630	10' Concrete Sidewalk	34,200	sf	\$ 10.00	\$ 342,000
728	Auxiliary Lanes and Median Openings Allotment	687	sf	\$ 128.00	\$ 87,884
Paving Construction Cost Subtotal:					\$ 1,886,804
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 56,604
✓	Traffic Control			3%	\$ 56,604
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 37,736
✓	Roadway Drainage			20%	\$ 377,361
✓	Illumination	None Anticipated		3%	\$ 50,108
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 132,076
✓	Establish Turf / Erosion Control			1%	\$ 18,868
✓	Basic Landscaping			2%	\$ 37,736
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 767,094
Paving and Allowance Subtotal:					\$ 2,653,897
Construction Contingency:					15% \$ 398,085
Construction Cost TOTAL:					\$ 3,052,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,052,000
Engineering/Survey/Testing:		18%	\$ 549,360
Mobilization		5%	\$ 152,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 305,200
Impact Fee Project Cost TOTAL:			\$ 4,059,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/25/2022

Project Information:		Description:	Project No. C-28, E-27
Name:	Wagley Robertson (10)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	
Limits:	1230' N of Running Water to 145' N of Mystic River		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	2,165		
Service Area(s):	E, C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,450	cy	\$ 38.00	\$ 169,111
241	6" Lime Stabilization (with Lime @ 32#/sy)	8,660	sy	\$ 8.00	\$ 69,280
341	11" Concrete Pavement	8,179	sy	\$ 120.00	\$ 981,467
441	6" Curb and Gutter	4,330	lf	\$ 15.00	\$ 64,950
541	4" Topsoil	6,254	sy	\$ 5.00	\$ 31,272
641	10' Concrete Sidewalk	43,300	sf	\$ 10.00	\$ 433,000
739	Auxiliary Lanes and Median Openings Allotment	369	sf	\$ 128.00	\$ 47,236
Paving Construction Cost Subtotal:					\$ 1,796,316
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 53,889
✓	Traffic Control			3%	\$ 53,889
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 35,926
✓	Roadway Drainage			20%	\$ 359,263
✓	Illumination	None Anticipated		3%	\$ 47,705
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 125,742
✓	Establish Turf / Erosion Control			1%	\$ 17,963
✓	Basic Landscaping			2%	\$ 35,926
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 730,305
Paving and Allowance Subtotal:					\$ 2,526,621
Construction Contingency:					15% \$ 378,993
Construction Cost TOTAL:					\$ 2,906,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,906,000
Engineering/Survey/Testing:		18%	\$ 523,080
Mobilization		5%	\$ 145,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 290,600
Impact Fee Project Cost TOTAL:			\$ 3,865,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

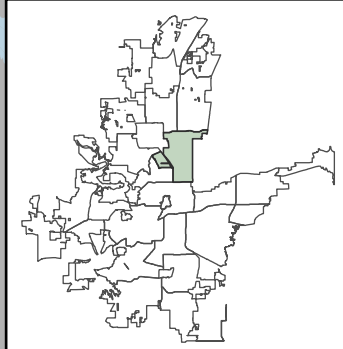
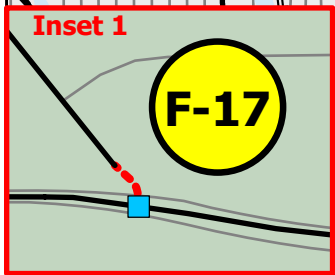
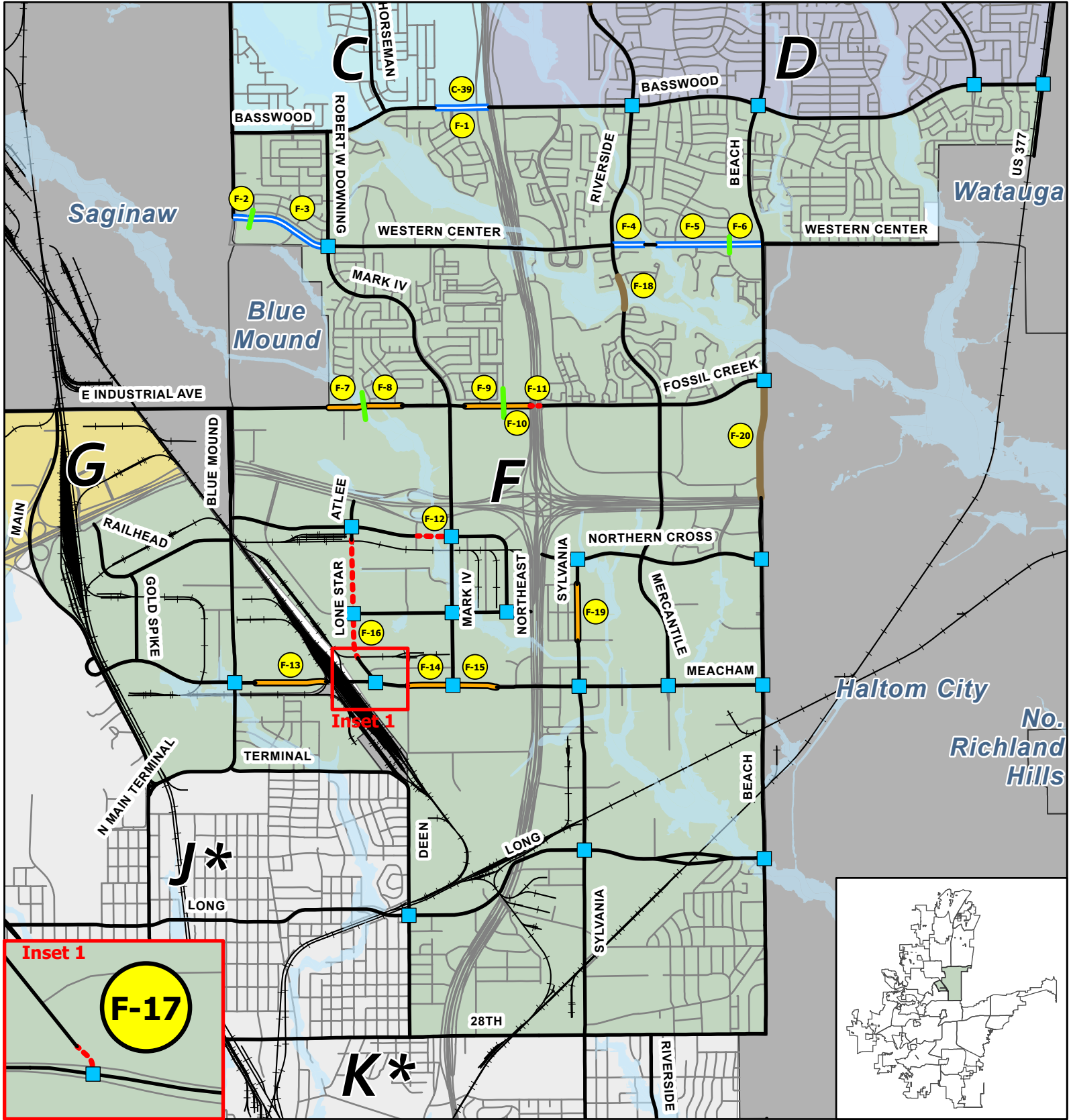
5/25/2022

Project Information:		Description:	Project No.	C-29, E-28	
Name:	Wagley Robertson (11)		This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.		
Limits:	145' N of Mystic River to 715' S of Mystic River				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	860				
Service Area(s):	E, C				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,768	cy	\$ 38.00	\$ 67,176
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,440	sy	\$ 8.00	\$ 27,520
341	11" Concrete Pavement	3,249	sy	\$ 120.00	\$ 389,867
441	6" Curb and Gutter	1,720	lf	\$ 15.00	\$ 25,800
541	4" Topsoil	2,484	sy	\$ 5.00	\$ 12,422
641	10' Concrete Sidewalk	17,200	sf	\$ 10.00	\$ 172,000
739	Auxiliary Lanes and Median Openings Allotment	147	sf	\$ 128.00	\$ 18,764
Paving Construction Cost Subtotal:					\$ 713,548
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	21,406
✓	Traffic Control		3%	\$	21,406
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	14,271
✓	Roadway Drainage		20%	\$	142,710
✓	Illumination		3%	\$	18,950
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	49,948
✓	Establish Turf / Erosion Control		1%	\$	7,135
✓	Basic Landscaping		2%	\$	14,271
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 290,098
Paving and Allowance Subtotal:					\$ 1,003,646
Construction Contingency:					15% \$ 150,547
Construction Cost TOTAL:					\$ 1,155,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,155,000
Engineering/Survey/Testing:		18%	\$ 207,900
Mobilization		5%	\$ 57,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 115,500
Impact Fee Project Cost TOTAL:			\$ 1,536,000

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Legend

Impact Fee Eligible - Median	Local Roads
Impact Fee Eligible - New	Roundabout - Recent
Impact Fee Eligible - Previously Completed	Intersection Improvements
Impact Fee Eligible - Widening	Project Limits
Non-Impact Fee Eligible	Railroad
	Floodplain

Impact Fee TIP (SA F)

FORT WORTH

Transportation Improvements Plan

0 0.6 1.2

Miles

May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area F

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
F-1, C-39	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Basswood	Candler to IH-35W	Median	50%	\$ 1,178,000	\$ 589,000
F-2	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Western Center (1)	FM 156 to 430' E of FM 156	Median	100%	\$ 315,000	\$ 315,000
F-3	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Western Center (2)	430' E of FM 156 to Robert W Downing	Median	100%	\$ 1,964,000	\$ 1,964,000
F-4	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Western Center (3)	Riverside to 980' E of Riverside	Median	100%	\$ 705,000	\$ 705,000
F-5	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Western Center (4)	590' W of Bayberry to Spoonwood	Median	100%	\$ 1,609,000	\$ 1,609,000
F-6	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Western Center (5)	Spoonwood to Beach	Median	100%	\$ 743,000	\$ 743,000
F-7	NCO-L2-T0-NTMS-P0-BOP (110)	Cantrell Sansom (1)	455' W of Nafex to 610' E of Nafex	Widening	100%	\$ 4,119,000	\$ 4,119,000
F-8	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Cantrell Sansom (2)	610' E of Nafex to 195' E of Deerfoot	Widening	100%	\$ 2,224,000	\$ 2,224,000
F-9	NCO-L2-T0-NTMS-P0-BOP (110)	Cantrell Sansom (3)	470' E of Mark IV to Old Denton	Widening	100%	\$ 2,719,000	\$ 2,719,000
F-10	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Cantrell Sansom (4)	Old Denton to IH-35W SBFR	Recent	100%	\$ 4,412,000	\$ 4,412,000
F-11	NCO-L2-T0-NTMS-P0-BOP (110)	Cantrell Sansom (5)	IH-35W NBFR to IH-35W SBFR	New	100%	\$ 4,329,000	\$ 4,329,000
F-12	CCO-L1-T0-TWLT-P0-BOP (80)	Northeast	Superior to Mark IV	New	100%	\$ 4,403,000	\$ 4,403,000
F-13	CCO-L2-T0-TWLT-P0-BOP (110)	Meacham (1)	635' E of FM 156 to RR Bridge	Widening	100%	\$ 5,614,000	\$ 5,614,000
F-14	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Meacham (2)	Deen to Mark IV	Widening	100%	\$ 1,736,000	\$ 1,736,000
F-15	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Meacham (3)	Mark IV to 1335' E of Mark IV	Widening	100%	\$ 1,704,000	\$ 1,704,000
F-16	CCO-L1-T0-TWLT-P0-BOP (80)	Lone Star (1)	400' S of Northeast to 555' N of Franklin	New	100%	\$ 8,643,000	\$ 8,643,000
F-17	CCO-L1-T0-TWLT-P0-BOP (80)	Lone Star (2)	145' N of Meacham to Meachem	New	100%	\$ 290,000	\$ 290,000
F-18	NCO (E)	Riverside (11)	Stone Creek to 180' N of Redwood Creek	Previous	100%	\$ 1,377,102	\$ 1,377,102
F-19	CCO-L1-T0-TWLT-P0-BOP (80)	Sylvania	Melody Hills to Quorum	Widening	100%	\$ 3,151,000	\$ 3,151,000
F-20	CCO-L3-T0-NTMS-P0-BLB (130) (W)	Beach (11)	Fossil Creek to IH-820 WBFR	Previous	100%	\$ 7,598,454	\$ 7,598,454
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Beach	Basswood	Recent	50%	\$ 1,500,000	\$ 750,000
	Intersection Improvements	US 377	Basswood	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Fossil Creek	Beach	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Great Southwest	Lone Star	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Great Southwest	Mark IV	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Great Southwest	Northeast	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Long	Sylvania	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Long	Deen	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Meacham	Sylvania	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Meacham	Mark IV	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Meacham	FM 156	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Northeast	Mark IV	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Northeast	Atlee	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Northern Cross	Sylvania	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Park Vista	Basswood	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Riverside	Basswood	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Western Center	Robert W Downing	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth.

The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.

2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.
Name:	Basswood	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.	F-1, C-39
Limits:	Candler to IH-35W		
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)		
Ultimate Class:	6 Lane Divided Neighborhood Connector		
Length (lf):	1,640		
Service Area(s):	F, C		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	2,369	cy	\$ 38.00	\$ 90,018
212	6" Lime Stabilization (with Lime @ 32#/sy)	4,556	sy	\$ 8.00	\$ 36,444
312	11" Concrete Pavement	4,191	sy	\$ 120.00	\$ 502,933
412	6" Curb and Gutter	3,280	lf	\$ 15.00	\$ 49,200
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	559	sf	\$ 128.00	\$ 71,564
Paving Construction Cost Subtotal:					\$ 750,159
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 22,505
✓	Traffic Control			3%	\$ 22,505
✓	Pavement Markings/Markers			2%	\$ 15,003
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 7,502
✓	Basic Landscaping			2%	\$ 15,003
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 82,518
Paving and Allowance Subtotal:					\$ 832,677
Construction Contingency:					15% \$ 124,902
Construction Cost TOTAL:					\$ 958,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 958,000
Engineering/Survey/Testing:		18%	\$ 172,440
Mobilization		5%	\$ 47,900
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,178,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-2
Name:	Western Center (1)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	FM 156 to 430' E of FM 156			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	430			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	717	cy	\$ 38.00	\$ 27,233
205	6" Lime Stabilization (with Lime @ 32#/sy)	1,194	sy	\$ 8.00	\$ 9,556
305	11" Concrete Pavement	1,099	sy	\$ 120.00	\$ 131,867
405	6" Curb and Gutter	860	lf	\$ 15.00	\$ 12,900
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	147	sf	\$ 128.00	\$ 18,764
Paving Construction Cost Subtotal:					\$ 200,319
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 6,010
✓	Traffic Control			3%	\$ 6,010
✓	Pavement Markings/Markers			2%	\$ 4,006
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 2,003
✓	Basic Landscaping			2%	\$ 4,006
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 22,035
Paving and Allowance Subtotal:					\$ 222,354
Construction Contingency:					15% \$ 33,353
Construction Cost TOTAL:					\$ 256,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 256,000
Engineering/Survey/Testing:		18%	\$ 46,080
Mobilization		5%	\$ 12,800
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 315,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-3
Name:	Western Center (2)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	430' E of FM 156 to Robert W Downing			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,685			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	4,475	cy	\$ 38.00	\$ 170,050
205	6" Lime Stabilization (with Lime @ 32#/sy)	7,458	sy	\$ 8.00	\$ 59,667
305	11" Concrete Pavement	6,862	sy	\$ 120.00	\$ 823,400
405	6" Curb and Gutter	5,370	lf	\$ 15.00	\$ 80,550
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	915	sf	\$ 128.00	\$ 117,164
Paving Construction Cost Subtotal:					\$ 1,250,830
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 37,525
✓	Traffic Control			3%	\$ 37,525
✓	Pavement Markings/Markers			2%	\$ 25,017
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 12,508
✓	Basic Landscaping			2%	\$ 25,017
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 137,591
Paving and Allowance Subtotal:					\$ 1,388,422
Construction Contingency:					15% \$ 208,263
Construction Cost TOTAL:					\$ 1,597,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,597,000
Engineering/Survey/Testing:		18%	\$ 287,460
Mobilization		5%	\$ 79,850
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,964,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-4
Name:	Western Center (3)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	Riverside to 980' E of Riverside			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	980			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	1,416	cy	\$ 38.00	\$ 53,791
212	6" Lime Stabilization (with Lime @ 32#/sy)	2,722	sy	\$ 8.00	\$ 21,778
312	11" Concrete Pavement	2,504	sy	\$ 120.00	\$ 300,533
412	6" Curb and Gutter	1,960	lf	\$ 15.00	\$ 29,400
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	334	sf	\$ 128.00	\$ 42,764
Paving Construction Cost Subtotal:					\$ 448,266
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 13,448
✓	Traffic Control			3%	\$ 13,448
✓	Pavement Markings/Markers			2%	\$ 8,965
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 4,483
✓	Basic Landscaping			2%	\$ 8,965
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 49,309
Paving and Allowance Subtotal:					\$ 497,575
Construction Contingency:					15% \$ 74,636
Construction Cost TOTAL:					\$ 573,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 573,000
Engineering/Survey/Testing:		18%	\$ 103,140
Mobilization		5%	\$ 28,650
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 705,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-5
Name:	Western Center (4)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	590' W of Bayberry to Spoonwood			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	2,240			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	3,236	cy	\$ 38.00	\$ 122,951
212	6" Lime Stabilization (with Lime @ 32#/sy)	6,222	sy	\$ 8.00	\$ 49,778
312	11" Concrete Pavement	5,724	sy	\$ 120.00	\$ 686,933
412	6" Curb and Gutter	4,480	lf	\$ 15.00	\$ 67,200
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	764	sf	\$ 128.00	\$ 97,745
Paving Construction Cost Subtotal:					\$ 1,024,608
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 30,738
✓	Traffic Control			3%	\$ 30,738
✓	Pavement Markings/Markers			2%	\$ 20,492
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 10,246
✓	Basic Landscaping			2%	\$ 20,492
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 112,707
Paving and Allowance Subtotal:					\$ 1,137,315
Construction Contingency:					15% \$ 170,597
Construction Cost TOTAL:					\$ 1,308,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,308,000
Engineering/Survey/Testing:		18%	\$ 235,440
Mobilization		5%	\$ 65,400
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,609,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-6	
Name:	Western Center (5)		This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	Spoonwood to Beach				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	1,015				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
105	Unclassified Street Excavation	1,692	cy	\$ 38.00	\$ 64,283
205	6" Lime Stabilization (with Lime @ 32#/sy)	2,819	sy	\$ 8.00	\$ 22,556
305	11" Concrete Pavement	2,594	sy	\$ 120.00	\$ 311,267
405	6" Curb and Gutter	2,030	lf	\$ 15.00	\$ 30,450
505	4" Topsoil	0	sy	\$ 5.00	\$ -
605	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
703	Auxiliary Lanes and Median Openings Allotment	346	sf	\$ 128.00	\$ 44,291
Paving Construction Cost Subtotal:					\$ 472,846
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 14,185
✓	Traffic Control	Construction Phase Traffic Control		3%	\$ 14,185
✓	Pavement Markings/Markers			2%	\$ 9,457
	Roadway Drainage	None Anticipated		0%	\$ -
	Illumination	None Anticipated		0%	\$ -
	Special Drainage Structures	None Anticipated		\$ -	\$ -
	Water/Sewer	None Anticipated		0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 4,728
✓	Basic Landscaping			2%	\$ 9,457
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 52,013
Paving and Allowance Subtotal:					\$ 524,860
Construction Contingency:					15% \$ 78,729
Construction Cost TOTAL:					\$ 604,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 604,000
Engineering/Survey/Testing:		18%	\$ 108,720
Mobilization		5%	\$ 30,200
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 743,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-7
Name:	Cantrell Sansom (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	455' W of Nafex to 610' E of Nafex			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,065			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	3,077	cy	\$ 38.00	\$ 116,913
230	6" Lime Stabilization (with Lime @ 32#/sy)	5,917	sy	\$ 8.00	\$ 47,333
330	11" Concrete Pavement	5,443	sy	\$ 120.00	\$ 653,200
430	6" Curb and Gutter	4,260	lf	\$ 15.00	\$ 63,900
530	4" Topsoil	5,207	sy	\$ 5.00	\$ 26,033
630	10' Concrete Sidewalk	21,300	sf	\$ 10.00	\$ 213,000
728	Auxiliary Lanes and Median Openings Allotment	428	sf	\$ 128.00	\$ 54,735
Paving Construction Cost Subtotal:					\$ 1,175,115
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 35,253
✓	Traffic Control			3%	\$ 35,253
✓	Pavement Markings/Markers			2%	\$ 23,502
✓	Roadway Drainage	Standard Internal System		20%	\$ 235,023
✓	Illumination			3%	\$ 31,208
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,039,500	\$ 1,039,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 82,258
✓	Establish Turf / Erosion Control			1%	\$ 11,751
✓	Basic Landscaping			2%	\$ 23,502
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,517,251
Paving and Allowance Subtotal:					\$ 2,692,366
Construction Contingency:					15% \$ 403,855
Construction Cost TOTAL:					\$ 3,097,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,097,000
Engineering/Survey/Testing:		18%	\$ 557,460
Mobilization		5%	\$ 154,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 309,700
Impact Fee Project Cost TOTAL:			\$ 4,119,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-8
Name:	Cantrell Sansom (2)	This project consists of the construction of the eastbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	610' E of Nafex to 195' E of Deerfoot			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,150			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	1,661	cy	\$ 38.00	\$ 63,122
231	6" Lime Stabilization (with Lime @ 32#/sy)	3,194	sy	\$ 8.00	\$ 25,556
331	11" Concrete Pavement	2,939	sy	\$ 120.00	\$ 352,667
431	6" Curb and Gutter	2,300	lf	\$ 15.00	\$ 34,500
531	4" Topsoil	2,811	sy	\$ 5.00	\$ 14,056
631	10' Concrete Sidewalk	11,500	sf	\$ 10.00	\$ 115,000
729	Auxiliary Lanes and Median Openings Allotment	462	sf	\$ 128.00	\$ 59,103
Paving Construction Cost Subtotal:					\$ 664,003
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 19,920
✓	Traffic Control			3%	\$ 19,920
✓	Pavement Markings/Markers			2%	\$ 13,280
✓	Roadway Drainage	Standard Internal System		20%	\$ 132,801
✓	Illumination			3%	\$ 17,634
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 519,750	\$ 519,750
✓	Water/Sewer	Minor Adjustments		7%	\$ 46,480
✓	Establish Turf / Erosion Control			1%	\$ 6,640
✓	Basic Landscaping			2%	\$ 13,280
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 789,705
Paving and Allowance Subtotal:					\$ 1,453,708
Construction Contingency:					15% \$ 218,056
Construction Cost TOTAL:					\$ 1,672,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,672,000
Engineering/Survey/Testing:		18%	\$ 300,960
Mobilization		5%	\$ 83,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 167,200
Impact Fee Project Cost TOTAL:			\$ 2,224,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-9	
Name:	Cantrell Sansom (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	470' E of Mark IV to Old Denton				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,145				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	3,308	cy	\$ 38.00	\$ 125,696
230	6" Lime Stabilization (with Lime @ 32#/sy)	6,361	sy	\$ 8.00	\$ 50,889
330	11" Concrete Pavement	5,852	sy	\$ 120.00	\$ 702,267
430	6" Curb and Gutter	4,580	lf	\$ 15.00	\$ 68,700
530	4" Topsoil	5,598	sy	\$ 5.00	\$ 27,989
630	10' Concrete Sidewalk	22,900	sf	\$ 10.00	\$ 229,000
728	Auxiliary Lanes and Median Openings Allotment	460	sf	\$ 128.00	\$ 58,846
Paving Construction Cost Subtotal:					\$ 1,263,386
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	37,902
✓	Traffic Control		3%	\$	37,902
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	25,268
✓	Roadway Drainage		20%	\$	252,677
✓	Illumination		3%	\$	33,552
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	88,437
✓	Establish Turf / Erosion Control		1%	\$	12,634
✓	Basic Landscaping		2%	\$	25,268
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 513,639
Paving and Allowance Subtotal:					\$ 1,777,025
Construction Contingency:					15% \$ 266,554
Construction Cost TOTAL:					\$ 2,044,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,044,000
Engineering/Survey/Testing:		18%	\$ 367,920
Mobilization		5%	\$ 102,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 204,400
Impact Fee Project Cost TOTAL:			\$ 2,719,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-10
Name:	Cantrell Sansom (4)	This project consists of the construction of the westbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Old Denton to IH-35W SBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	825			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	1,192	cy	\$ 38.00	\$ 45,283
231	6" Lime Stabilization (with Lime @ 32#/sy)	2,292	sy	\$ 8.00	\$ 18,333
331	11" Concrete Pavement	2,108	sy	\$ 120.00	\$ 253,000
431	6" Curb and Gutter	1,650	lf	\$ 15.00	\$ 24,750
531	4" Topsoil	2,017	sy	\$ 5.00	\$ 10,083
631	10' Concrete Sidewalk	8,250	sf	\$ 10.00	\$ 82,500
729	Auxiliary Lanes and Median Openings Allotment	331	sf	\$ 128.00	\$ 42,400
Paving Construction Cost Subtotal:					\$ 476,350
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 14,291
✓	Traffic Control			3%	\$ 14,291
✓	Pavement Markings/Markers			2%	\$ 9,527
✓	Roadway Drainage	Standard Internal System		20%	\$ 95,270
✓	Illumination			3%	\$ 12,651
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 33,345
✓	Establish Turf / Erosion Control			1%	\$ 4,764
✓	Basic Landscaping			2%	\$ 9,527
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 193,664
Paving and Allowance Subtotal:					\$ 670,014
Construction Contingency:					15% \$ 100,502
Construction Cost TOTAL:					\$ 771,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 771,000
Engineering/Survey/Testing:		18%	\$ 138,780
Mobilization		5%	\$ 38,550
Previous City contribution	TPW/SA F Impact Fees		\$ 3,386,173
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 77,100
Impact Fee Project Cost TOTAL:			\$ 4,412,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-11
Name:	Cantrell Sansom (5)	This project consists of the construction of a new four-lane divided neighborhood overpass over IH-35W.		
Limits:	IH-35W NBFR to IH-35W SBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	295			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	852	cy	\$ 38.00	\$ 32,384
230	6" Lime Stabilization (with Lime @ 32#/sy)	1,639	sy	\$ 8.00	\$ 13,111
330	11" Concrete Pavement	1,508	sy	\$ 120.00	\$ 180,933
430	6" Curb and Gutter	1,180	lf	\$ 15.00	\$ 17,700
530	4" Topsoil	1,442	sy	\$ 5.00	\$ 7,211
630	10' Concrete Sidewalk	5,900	sf	\$ 10.00	\$ 59,000
728	Auxiliary Lanes and Median Openings Allotment	118	sf	\$ 128.00	\$ 15,161
Paving Construction Cost Subtotal:					\$ 325,501
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 9,765
✓	Traffic Control			3%	\$ 9,765
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 6,510
✓	Roadway Drainage			20%	\$ 65,100
✓	Illumination			3%	\$ 8,644
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 22,785
✓	Establish Turf / Erosion Control			1%	\$ 3,255
✓	Basic Landscaping			2%	\$ 6,510
✓	Other:	IH-35W Crossing		\$2,500,000	\$ 2,500,000
Allowance Subtotal:					\$ 2,632,335
Paving and Allowance Subtotal:					\$ 2,957,836
Construction Contingency:					15% \$ 68,675
Construction Cost TOTAL:					\$ 3,027,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,027,000
Engineering/Survey/Testing:		18%	\$ 544,860
Mobilization		5%	\$ 151,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 605,400
Impact Fee Project Cost TOTAL:			\$ 4,329,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-12	
Name:	Northeast	This project consists of the construction of a new three-lane undivided commercial connector.			
Limits:	Superior to Mark IV				
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Commercial Connector				
Length (lf):	1,040				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	2,253	cy	\$ 38.00	\$ 85,627
239	6" Lime Stabilization (with Lime @ 32#/sy)	4,391	sy	\$ 8.00	\$ 35,129
339	11" Concrete Pavement	4,160	sy	\$ 120.00	\$ 499,200
439	6" Curb and Gutter	2,080	lf	\$ 15.00	\$ 31,200
539	4" Topsoil	2,773	sy	\$ 5.00	\$ 13,867
639	10' Concrete Sidewalk	20,800	sf	\$ 10.00	\$ 208,000
737	Auxiliary Lanes and Median Openings Allotment	177	sf	\$ 128.00	\$ 22,691
Paving Construction Cost Subtotal:					\$ 895,713
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 26,871
✓	Traffic Control	None Anticipated		3%	\$ 26,871
✓	Pavement Markings/Markers			2%	\$ 17,914
✓	Roadway Drainage	Standard Internal System		20%	\$ 179,143
✓	Illumination			3%	\$ 23,788
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,417,500	\$ 1,417,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 62,700
✓	Establish Turf / Erosion Control			1%	\$ 8,957
✓	Basic Landscaping			2%	\$ 17,914
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,781,659
Paving and Allowance Subtotal:					\$ 2,677,372
Construction Contingency:					15% \$ 401,606
Construction Cost TOTAL:					\$ 3,079,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,079,000
Engineering/Survey/Testing:		18%	\$ 554,220
Mobilization		5%	\$ 153,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 615,800
Impact Fee Project Cost TOTAL:			\$ 4,403,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		F-13
Name:	Meacham (1)		This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	635' E of FM 156 to RR Bridge				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	2,130				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	7,218	cy	\$ 38.00	\$ 274,297
225	6" Lime Stabilization (with Lime @ 32#/sy)	14,200	sy	\$ 8.00	\$ 113,600
325	11" Concrete Pavement	13,727	sy	\$ 120.00	\$ 1,647,200
425	6" Curb and Gutter	4,260	lf	\$ 15.00	\$ 63,900
525	4" Topsoil	7,573	sy	\$ 5.00	\$ 37,867
625	10' Concrete Sidewalk	42,600	sf	\$ 10.00	\$ 426,000
723	Auxiliary Lanes and Median Openings Allotment	363	sf	\$ 128.00	\$ 46,473
Paving Construction Cost Subtotal:					\$ 2,609,336
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	78,280
✓	Traffic Control		3%	\$	78,280
✓	Pavement Markings/Markers		2%	\$	52,187
✓	Roadway Drainage	Standard Internal System	20%	\$	521,867
✓	Illumination		3%	\$	69,297
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	182,654
✓	Establish Turf / Erosion Control		1%	\$	26,093
✓	Basic Landscaping		2%	\$	52,187
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,060,845
Paving and Allowance Subtotal:					\$ 3,670,181
Construction Contingency:					15% \$ 550,527
Construction Cost TOTAL:					\$ 4,221,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,221,000
Engineering/Survey/Testing:		18%	\$ 759,780
Mobilization		5%	\$ 211,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 422,100
Impact Fee Project Cost TOTAL:			\$ 5,614,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		F-14
Name:	Meacham (2)		This project consists of the construction of the easstbound lanes to complete the four-lane divided commercial connector.		
Limits:	Deen to Mark IV				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,360				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,040	cy	\$ 38.00	\$ 77,520
224	6" Lime Stabilization (with Lime @ 32#/sy)	3,929	sy	\$ 8.00	\$ 31,431
324	11" Concrete Pavement	3,627	sy	\$ 120.00	\$ 435,200
424	6" Curb and Gutter	2,720	lf	\$ 15.00	\$ 40,800
524	4" Topsoil	3,173	sy	\$ 5.00	\$ 15,867
624	10' Concrete Sidewalk	13,600	sf	\$ 10.00	\$ 136,000
722	Auxiliary Lanes and Median Openings Allotment	546	sf	\$ 128.00	\$ 69,896
Paving Construction Cost Subtotal:					\$ 806,714
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	24,201
✓	Traffic Control		3%	\$	24,201
✓	Pavement Markings/Markers		2%	\$	16,134
✓	Roadway Drainage	Standard Internal System	20%	\$	161,343
✓	Illumination		3%	\$	21,424
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	56,470
✓	Establish Turf / Erosion Control		1%	\$	8,067
✓	Basic Landscaping		2%	\$	16,134
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 327,975
Paving and Allowance Subtotal:					\$ 1,134,689
Construction Contingency:					15% \$ 170,203
Construction Cost TOTAL:					\$ 1,305,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,305,000
Engineering/Survey/Testing:		18%	\$ 234,900
Mobilization		5%	\$ 65,250
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 130,500
Impact Fee Project Cost TOTAL:			\$ 1,736,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-15
Name:	Meacham (3)	This project consists of the construction of the eastbound lanes to complete the four-lane divided commercial connector.		
Limits:	Mark IV to 1335' E of Mark IV			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,335			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,003	cy	\$ 38.00	\$ 76,095
224	6" Lime Stabilization (with Lime @ 32#/sy)	3,857	sy	\$ 8.00	\$ 30,853
324	11" Concrete Pavement	3,560	sy	\$ 120.00	\$ 427,200
424	6" Curb and Gutter	2,670	lf	\$ 15.00	\$ 40,050
524	4" Topsoil	3,115	sy	\$ 5.00	\$ 15,575
624	10' Concrete Sidewalk	13,350	sf	\$ 10.00	\$ 133,500
722	Auxiliary Lanes and Median Openings Allotment	536	sf	\$ 128.00	\$ 68,611
Paving Construction Cost Subtotal:					\$ 791,884
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 23,757
✓	Traffic Control			3%	\$ 23,757
✓	Pavement Markings/Markers			2%	\$ 15,838
✓	Roadway Drainage	Standard Internal System		20%	\$ 158,377
✓	Illumination			3%	\$ 21,030
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 55,432
✓	Establish Turf / Erosion Control			1%	\$ 7,919
✓	Basic Landscaping			2%	\$ 15,838
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 321,946
Paving and Allowance Subtotal:					\$ 1,113,831
Construction Contingency:					15% \$ 167,075
Construction Cost TOTAL:					\$ 1,281,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,281,000
Engineering/Survey/Testing:		18%	\$ 230,580
Mobilization		5%	\$ 64,050
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 128,100
Impact Fee Project Cost TOTAL:			\$ 1,704,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-16	
Name:	Lone Star (1)	This project consists of the construction of a new three-lane undivided commercial connector.			
Limits:	400' S of Northeast to 555' N of Franklin				
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Commercial Connector				
Length (lf):	3,620				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	7,843	cy	\$ 38.00	\$ 298,047
239	6" Lime Stabilization (with Lime @ 32#/sy)	15,284	sy	\$ 8.00	\$ 122,276
339	11" Concrete Pavement	14,480	sy	\$ 120.00	\$ 1,737,600
439	6" Curb and Gutter	7,240	lf	\$ 15.00	\$ 108,600
539	4" Topsoil	9,653	sy	\$ 5.00	\$ 48,267
639	10' Concrete Sidewalk	72,400	sf	\$ 10.00	\$ 724,000
737	Auxiliary Lanes and Median Openings Allotment	617	sf	\$ 128.00	\$ 78,982
Paving Construction Cost Subtotal:					\$ 3,117,771
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 93,533
✓	Traffic Control			3%	\$ 93,533
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 62,355
✓	Roadway Drainage			20%	\$ 623,554
✓	Illumination			3%	\$ 82,800
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 218,244
✓	Establish Turf / Erosion Control			1%	\$ 31,178
✓	Basic Landscaping	Railroad Crossing		2%	\$ 62,355
✓	Other:			\$1,000,000	\$ 1,000,000
Allowance Subtotal:					\$ 2,267,553
Paving and Allowance Subtotal:					\$ 5,385,323
Construction Contingency:					15% \$ 657,798
Construction Cost TOTAL:					\$ 6,044,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,044,000
Engineering/Survey/Testing:		18%	\$ 1,087,920
Mobilization		5%	\$ 302,200
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,208,800
Impact Fee Project Cost TOTAL:			\$ 8,643,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-17	
Name:	Lone Star (2)	This project consists of the construction of a new three-lane undivided commercial connector.			
Limits:	145' N of Meacham to Meachem				
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Commercial Connector				
Length (lf):	145				
Service Area(s):	F				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	314	cy	\$ 38.00	\$ 11,938
239	6" Lime Stabilization (with Lime @ 32#/sy)	612	sy	\$ 8.00	\$ 4,898
339	11" Concrete Pavement	580	sy	\$ 120.00	\$ 69,600
439	6" Curb and Gutter	290	lf	\$ 15.00	\$ 4,350
539	4" Topsoil	387	sy	\$ 5.00	\$ 1,933
639	10' Concrete Sidewalk	2,900	sf	\$ 10.00	\$ 29,000
737	Auxiliary Lanes and Median Openings Allotment	25	sf	\$ 128.00	\$ 3,164
Paving Construction Cost Subtotal:					\$ 124,883
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 3,746
✓	Traffic Control			3%	\$ 3,746
✓	Pavement Markings/Markers			2%	\$ 2,498
✓	Roadway Drainage	Standard Internal System		20%	\$ 24,977
✓	Illumination			3%	\$ 3,317
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 8,742
✓	Establish Turf / Erosion Control			1%	\$ 1,249
✓	Basic Landscaping			2%	\$ 2,498
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 50,772
Paving and Allowance Subtotal:					\$ 175,655
Construction Contingency:					15% \$ 26,348
Construction Cost TOTAL:					\$ 203,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 203,000
Engineering/Survey/Testing:		18%	\$ 36,540
Mobilization		5%	\$ 10,150
Previous City contribution			
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 40,600
Impact Fee Project Cost TOTAL:			\$ 290,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	F-18
Name:	Riverside (11)	This project consists of the previously completed four-lane divided neighborhood connector. The City contributed \$1,377,102 to this project.		
Limits:	Stone Creek to 180' N of Redwood Creek			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	985			
Service Area(s):	F			
Impact Fee Project Cost TOTAL:			\$	1,377,102

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	F-19
Name:	Sylvania	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	Melody Hills to Quorum			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,700			
Service Area(s):	F			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	3,683	cy	\$ 38.00	\$ 139,967
239	6" Lime Stabilization (with Lime @ 32#/sy)	7,178	sy	\$ 8.00	\$ 57,422
339	11" Concrete Pavement	6,800	sy	\$ 120.00	\$ 816,000
439	6" Curb and Gutter	3,400	lf	\$ 15.00	\$ 51,000
539	4" Topsoil	4,533	sy	\$ 5.00	\$ 22,667
639	10' Concrete Sidewalk	34,000	sf	\$ 10.00	\$ 340,000
737	Auxiliary Lanes and Median Openings Allotment	290	sf	\$ 128.00	\$ 37,091
Paving Construction Cost Subtotal:					\$ 1,464,146
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 43,924
✓	Traffic Control			3%	\$ 43,924
✓	Pavement Markings/Markers			2%	\$ 29,283
✓	Roadway Drainage	Standard Internal System		20%	\$ 292,829
✓	Illumination			3%	\$ 38,884
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 102,490
✓	Establish Turf / Erosion Control			1%	\$ 14,641
✓	Basic Landscaping			2%	\$ 29,283
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 595,259
Paving and Allowance Subtotal:					\$ 2,059,406
Construction Contingency:					15% \$ 308,911
Construction Cost TOTAL:					\$ 2,369,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,369,000
Engineering/Survey/Testing:		18%	\$ 426,420
Mobilization		5%	\$ 118,450
Previous City contribution			
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 236,900
Impact Fee Project Cost TOTAL:			\$ 3,151,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	F-20
Name:	Beach (11)	This project consists of the previously completed six-lane divided commercial connector. The City contributed \$7,598,454 to this project.		
Limits:	Fossil Creek to IH-820 WBFR			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	3,575			
Service Area(s):	F, Haltom City			
Impact Fee Project Cost TOTAL:			\$	7,598,454

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth - 2022 Transportation Impact Fee Study

Transportation Improvements Plan for Transportation Impact Fees

Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area G

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
G-1, E-18	NCO-L2-T0-NTMS-P0-BOP (110)	WJ Boaz	FM 1220 to Old Decatur	Widening	50%	\$ 30,261,000	\$ 15,130,500
G-2	NCO-L2-T0-TWLT-P0-BOP (110)	Old Decatur (2)	Marine Creek to Old Decatur	Widening	100%	\$ 579,000	\$ 579,000
G-3	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Cromwell Marine Creek (1)	Boat Club to Bowman Roberts	Widening	100%	\$ 6,928,000	\$ 6,928,000
G-4	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Cromwell Marine Creek (2)	Bowman Roberts to Huffines	Recent	100%	\$ 6,356,286	\$ 6,356,286
G-5	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)	Cromwell Marine Creek (3)	360' E of Crystal Lake to Stonewater Bend	Widening	100%	\$ 3,422,000	\$ 3,422,000
G-6	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Cromwell Marine Creek (4)	Stonewater Bend to Marine Creek	Widening	100%	\$ 5,994,000	\$ 5,994,000
G-7	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Longhorn	Marine Creek to Old Decatur	Widening	100%	\$ 3,185,000	\$ 3,185,000
G-8	NCO-L1-T0-TWLT-P0-BOP (80)	Ten Mile Bridge (1)	3075' W of Hodgkins to Hodgkins	Widening	50%	\$ 5,489,000	\$ 2,744,500
G-9	NCO-L2-T0-NTMS-P0-BOP (110)	Ten Mile Bridge (2)	Hodgkins to FM 1220	Widening	100%	\$ 6,185,000	\$ 6,185,000
G-10	NCO-L1-T0-TWLT-P0-BOP (80)	Ten Mile Bridge (3)	FM 1220 to Bowman Roberts	Widening	100%	\$ 5,231,000	\$ 5,231,000
G-11	NCO-L1-T0-TWLT-P0-BOP (80)	Ten Mile Bridge (4)	Westgate to Huffines	Widening	100%	\$ 3,838,000	\$ 3,838,000
G-12	NCO-L1-T0-TWLT-P0-BOP (80)	Edward Green (2)	4570' N of Ten Mile Bridge to Ten Mile Bridge	New	100%	\$ 8,772,000	\$ 8,772,000
G-13	NCO-L1-T0-TWLT-P0-BOP (80)	Hodgkins	Ten Mile Bridge to Hatch	Widening	50%	\$ 9,452,000	\$ 4,726,000
G-14	NCO-L2-T0-NTMS-P0-BOP (110)	Marine Creek (1)	Old Decatur to 620' S of Old Decatur	Recent	100%	\$ 984,713	\$ 984,713
G-15	NCO-L2-T0-NTMS-P0-BOP (110)	Marine Creek (2)	620' S of Old Decatur to Cromwell Marine Creek	Recent	100%	\$ 1,956,999	\$ 1,956,999
G-16	NCO-L2-T0-NTMS-P0-BOP (110)	Marine Creek (3)	Cromwell Marine Creek to Longhorn	Recent	100%	\$ 2,053,681	\$ 2,053,681
G-17	CCO (E)	Marine Creek (4)	Longhorn to 410' S of Goodland	Recent	100%	\$ 4,366,344	\$ 4,366,344
G-18	NCO-L1-T0-TWLT-P0-BOP (80)	Marine Creek (5)	Angle to FM 1220	New	100%	\$ 11,775,000	\$ 11,775,000
G-19	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Old Decatur (3)	River Rock to IH-820 WBFR	Widening	100%	\$ 1,944,000	\$ 1,944,000
G-20	NCO-L2-T0-NTMS-P0-BOP (110)	Old Decatur (4)	IH-820 EBFR to 890' N of Angle	Widening	100%	\$ 10,857,000	\$ 10,857,000
G-21	NCO-L2-T0-TWLT-P0-BOP (110)	Cromwell Marine Creek (5)	Marine Creek to Old Decatur	Widening	100%	\$ 1,773,000	\$ 1,773,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Cromwell Marine Creek	FM 1220	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Cromwell Marine Creek	Huffines	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Longhorn	Old Decatur	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Marine Creek	Old Decatur	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Marine Creek	Angle	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Robertson	FM 1220	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Ten Mile Bridge	Huffines	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Ten Mile Bridge	FM 1220	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Ten Mile Bridge	Hodgkins	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	WJ Boaz	FM 1220	Rebuild	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	WJ Boaz	Old Decatur	Rebuild	25%	\$ 2,500,000	\$ 625,000

NOTES:

1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth.

The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.

2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No. G-1, E-18
Name:	Wj Boaz	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.	
Limits:	FM 1220 to Old Decatur		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	10,815		
Service Area(s):	G, E		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	31,243	cy	\$ 38.00	\$ 1,187,247
230	6" Lime Stabilization (with Lime @ 32#/sy)	60,083	sy	\$ 8.00	\$ 480,667
330	11" Concrete Pavement	55,277	sy	\$ 120.00	\$ 6,633,200
430	6" Curb and Gutter	43,260	lf	\$ 15.00	\$ 648,900
530	4" Topsoil	52,873	sy	\$ 5.00	\$ 264,367
630	10' Concrete Sidewalk	216,300	sf	\$ 10.00	\$ 2,163,000
728	Auxiliary Lanes and Median Openings Allotment	4,342	sf	\$ 128.00	\$ 555,825
Paving Construction Cost Subtotal:					\$ 11,933,205
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 357,996
✓	Traffic Control			3%	\$ 357,996
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 238,664
✓	Roadway Drainage			20%	\$ 2,386,641
✓	Illumination			3%	\$ 316,914
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 835,324
✓	Establish Turf / Erosion Control			1%	\$ 119,332
✓	Basic Landscaping			2%	\$ 238,664
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 7,851,532
Paving and Allowance Subtotal:					\$ 19,784,738
Construction Contingency:					15% \$ 2,967,711
Construction Cost TOTAL:					\$ 22,753,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 22,753,000
Engineering/Survey/Testing:		18%	\$ 4,095,540
Mobilization		5%	\$ 1,137,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 2,275,300
Impact Fee Project Cost TOTAL:			\$ 30,261,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-2	
Name:	Old Decatur (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.			
Limits:	Marine Creek to Old Decatur				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	225				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	738	cy	\$ 38.00	\$ 28,025
233	6" Lime Stabilization (with Lime @ 32#/sy)	1,450	sy	\$ 8.00	\$ 11,600
333	11" Concrete Pavement	1,400	sy	\$ 120.00	\$ 168,000
433	6" Curb and Gutter	450	lf	\$ 15.00	\$ 6,750
533	4" Topsoil	850	sy	\$ 5.00	\$ 4,250
633	10' Concrete Sidewalk	4,500	sf	\$ 10.00	\$ 45,000
731	Auxiliary Lanes and Median Openings Allotment	38	sf	\$ 128.00	\$ 4,909
Paving Construction Cost Subtotal:					\$ 268,534
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	8,056
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	8,056
✓	Pavement Markings/Markers		2%	\$	5,371
✓	Roadway Drainage	Standard Internal System	20%	\$	53,707
✓	Illumination		3%	\$	7,132
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	18,797
✓	Establish Turf / Erosion Control		1%	\$	2,685
✓	Basic Landscaping		2%	\$	5,371
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 109,175
Paving and Allowance Subtotal:					\$ 377,709
Construction Contingency:					15% \$ 56,656
Construction Cost TOTAL:					\$ 435,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 435,000
Engineering/Survey/Testing:		18%	\$ 78,300
Mobilization		5%	\$ 21,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 43,500
Impact Fee Project Cost TOTAL:			\$ 579,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-3
Name:	Cromwell Marine Creek (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector with a wide median		
Limits:	Boat Club to Bowman Roberts			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,700			
Service Area(s):	G			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	11,400	cy	\$ 38.00	\$ 433,200
206	6" Lime Stabilization (with Lime @ 32#/sy)	15,600	sy	\$ 8.00	\$ 124,800
306	11" Concrete Pavement	14,400	sy	\$ 120.00	\$ 1,728,000
406	6" Curb and Gutter	10,800	lf	\$ 15.00	\$ 162,000
506	4" Topsoil	18,600	sy	\$ 5.00	\$ 93,000
606	10' Concrete Sidewalk	54,000	sf	\$ 10.00	\$ 540,000
704	Auxiliary Lanes and Median Openings Allotment	1,084	sf	\$ 128.00	\$ 138,764
Paving Construction Cost Subtotal:					\$ 3,219,764
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 96,593
✓	Traffic Control			3%	\$ 96,593
✓	Pavement Markings/Markers			2%	\$ 64,395
✓	Roadway Drainage	Standard Internal System		20%	\$ 643,953
✓	Illumination			3%	\$ 85,508
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 225,383
✓	Establish Turf / Erosion Control			1%	\$ 32,198
✓	Basic Landscaping			2%	\$ 64,395
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,309,019
Paving and Allowance Subtotal:					\$ 4,528,782
Construction Contingency:					15% \$ 679,317
Construction Cost TOTAL:					\$ 5,209,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,209,000
Engineering/Survey/Testing:		18%	\$ 937,620
Mobilization		5%	\$ 260,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 520,900
Impact Fee Project Cost TOTAL:			\$ 6,928,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	G-4
Name:	Cromwell Marine Creek (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector with a wide median. This project is anticipated to cost \$9,356,286 as part of the 2022 Bond Program. Impact Fee contributions of \$3,000,000 were applied for a total cost of \$6,356,286.		
Limits:	Bowman Roberts to Huffines			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	1,910			
Service Area(s):	G			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	9,356,286
Previous City contribution	SA G Impact Fees	\$(3,000,000)	\$	(3,000,000)
Other				
Impact Fee Project Cost TOTAL:			\$	6,356,286

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-5	
Name:	Cromwell Marine Creek (3)	This project consists of the construction of the westbound lanes to complete the four-lane divided commercial connector with a wide median			
Limits:	360' E of Crystal Lake to Stonewater Bend				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	1,040				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
114	Unclassified Street Excavation	2,138	cy	\$ 38.00	\$ 81,236
214	6" Lime Stabilization (with Lime @ 32#/sy)	2,889	sy	\$ 8.00	\$ 23,111
314	11" Concrete Pavement	2,658	sy	\$ 120.00	\$ 318,933
414	6" Curb and Gutter	2,080	lf	\$ 15.00	\$ 31,200
514	4" Topsoil	3,698	sy	\$ 5.00	\$ 18,489
614	10' Concrete Sidewalk	10,400	sf	\$ 10.00	\$ 104,000
712	Auxiliary Lanes and Median Openings Allotment	418	sf	\$ 128.00	\$ 53,450
Paving Construction Cost Subtotal:					\$ 630,419
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	18,913
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	18,913
✓	Pavement Markings/Markers		2%	\$	12,608
✓	Roadway Drainage	Standard Internal System	20%	\$	126,084
✓	Illumination		3%	\$	16,742
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,350,000	\$	1,350,000
✓	Water/Sewer	Minor Adjustments	7%	\$	44,129
✓	Establish Turf / Erosion Control		1%	\$	6,304
✓	Basic Landscaping		2%	\$	12,608
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,606,301
Paving and Allowance Subtotal:					\$ 2,236,720
Construction Contingency:					15% \$ 335,508
Construction Cost TOTAL:					\$ 2,573,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,573,000
Engineering/Survey/Testing:		18%	\$ 463,140
Mobilization		5%	\$ 128,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 257,300
Impact Fee Project Cost TOTAL:			\$ 3,422,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-6
Name:	Cromwell Marine Creek (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector with a wide median.		
Limits:	Stonewater Bend to Marine Creek			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	2,400			
Service Area(s):	G			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	9,867	cy	\$ 38.00	\$ 374,933
213	6" Lime Stabilization (with Lime @ 32#/sy)	13,333	sy	\$ 8.00	\$ 106,667
313	11" Concrete Pavement	12,267	sy	\$ 120.00	\$ 1,472,000
413	6" Curb and Gutter	9,600	lf	\$ 15.00	\$ 144,000
513	4" Topsoil	17,067	sy	\$ 5.00	\$ 85,333
613	10' Concrete Sidewalk	48,000	sf	\$ 10.00	\$ 480,000
711	Auxiliary Lanes and Median Openings Allotment	964	sf	\$ 128.00	\$ 123,345
Paving Construction Cost Subtotal:					\$ 2,786,279
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 83,588
✓	Traffic Control			3%	\$ 83,588
✓	Pavement Markings/Markers			2%	\$ 55,726
✓	Roadway Drainage	Standard Internal System		20%	\$ 557,256
✓	Illumination			3%	\$ 73,996
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 195,040
✓	Establish Turf / Erosion Control			1%	\$ 27,863
✓	Basic Landscaping			2%	\$ 55,726
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,132,782
Paving and Allowance Subtotal:					\$ 3,919,061
Construction Contingency:					15% \$ 587,859
Construction Cost TOTAL:					\$ 4,507,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,507,000
Engineering/Survey/Testing:		18%	\$ 811,260
Mobilization		5%	\$ 225,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 450,700
Impact Fee Project Cost TOTAL:			\$ 5,994,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-7	
Name:	Longhorn	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector with a wide median.			
Limits:	Marine Creek to Old Decatur				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	1,275				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	5,242	cy	\$ 38.00	\$ 199,183
213	6" Lime Stabilization (with Lime @ 32#/sy)	7,083	sy	\$ 8.00	\$ 56,667
313	11" Concrete Pavement	6,517	sy	\$ 120.00	\$ 782,000
413	6" Curb and Gutter	5,100	lf	\$ 15.00	\$ 76,500
513	4" Topsoil	9,067	sy	\$ 5.00	\$ 45,333
613	10' Concrete Sidewalk	25,500	sf	\$ 10.00	\$ 255,000
711	Auxiliary Lanes and Median Openings Allotment	512	sf	\$ 128.00	\$ 65,527
Paving Construction Cost Subtotal:					\$ 1,480,211
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	44,406
✓	Traffic Control		3%	\$	44,406
✓	Pavement Markings/Markers		2%	\$	29,604
✓	Roadway Drainage	Standard Internal System	20%	\$	296,042
✓	Illumination		3%	\$	39,310
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	103,615
✓	Establish Turf / Erosion Control		1%	\$	14,802
✓	Basic Landscaping		2%	\$	29,604
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 601,790
Paving and Allowance Subtotal:					\$ 2,082,001
Construction Contingency:					15% \$ 312,300
Construction Cost TOTAL:					\$ 2,395,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,395,000
Engineering/Survey/Testing:		18%	\$ 431,100
Mobilization		5%	\$ 119,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 239,500
Impact Fee Project Cost TOTAL:			\$ 3,185,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-8
Name:	Ten Mile Bridge (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	3075' W of Hodgkins to Hodgkins			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	3,075			
Service Area(s):	G, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	6,321	cy	\$ 38.00	\$ 240,192
241	6" Lime Stabilization (with Lime @ 32#/sy)	12,300	sy	\$ 8.00	\$ 98,400
341	11" Concrete Pavement	11,617	sy	\$ 120.00	\$ 1,394,000
441	6" Curb and Gutter	6,150	lf	\$ 15.00	\$ 92,250
541	4" Topsoil	8,883	sy	\$ 5.00	\$ 44,417
641	10' Concrete Sidewalk	61,500	sf	\$ 10.00	\$ 615,000
739	Auxiliary Lanes and Median Openings Allotment	524	sf	\$ 128.00	\$ 67,091
Paving Construction Cost Subtotal:					\$ 2,551,349
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 76,540
✓	Traffic Control			3%	\$ 76,540
✓	Pavement Markings/Markers			2%	\$ 51,027
✓	Roadway Drainage	Standard Internal System		20%	\$ 510,270
✓	Illumination			3%	\$ 67,757
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 178,594
✓	Establish Turf / Erosion Control			1%	\$ 25,513
✓	Basic Landscaping			2%	\$ 51,027
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,037,270
Paving and Allowance Subtotal:					\$ 3,588,619
Construction Contingency:					15% \$ 538,293
Construction Cost TOTAL:					\$ 4,127,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,127,000
Engineering/Survey/Testing:		18%	\$ 742,860
Mobilization		5%	\$ 206,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 412,700
Impact Fee Project Cost TOTAL:			\$ 5,489,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-9
Name:	Ten Mile Bridge (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Hodgkins to FM 1220			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,605			
Service Area(s):	G			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,526	cy	\$ 38.00	\$ 285,971
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,472	sy	\$ 8.00	\$ 115,778
330	11" Concrete Pavement	13,314	sy	\$ 120.00	\$ 1,597,733
430	6" Curb and Gutter	10,420	lf	\$ 15.00	\$ 156,300
530	4" Topsoil	12,736	sy	\$ 5.00	\$ 63,678
630	10' Concrete Sidewalk	52,100	sf	\$ 10.00	\$ 521,000
728	Auxiliary Lanes and Median Openings Allotment	1,046	sf	\$ 128.00	\$ 133,881
Paving Construction Cost Subtotal:					\$ 2,874,341
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 86,230
✓	Traffic Control			3%	\$ 86,230
✓	Pavement Markings/Markers			2%	\$ 57,487
✓	Roadway Drainage	Standard Internal System		20%	\$ 574,868
✓	Illumination			3%	\$ 76,335
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 201,204
✓	Establish Turf / Erosion Control			1%	\$ 28,743
✓	Basic Landscaping			2%	\$ 57,487
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,168,585
Paving and Allowance Subtotal:					\$ 4,042,926
Construction Contingency:					15% \$ 606,439
Construction Cost TOTAL:					\$ 4,650,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,650,000
Engineering/Survey/Testing:		18%	\$ 837,000
Mobilization		5%	\$ 232,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 465,000
Impact Fee Project Cost TOTAL:			\$ 6,185,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-10	
Name:	Ten Mile Bridge (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	FM 1220 to Bowman Roberts				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	2,930				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	6,023	cy	\$ 38.00	\$ 228,866
241	6" Lime Stabilization (with Lime @ 32#/sy)	11,720	sy	\$ 8.00	\$ 93,760
341	11" Concrete Pavement	11,069	sy	\$ 120.00	\$ 1,328,267
441	6" Curb and Gutter	5,860	lf	\$ 15.00	\$ 87,900
541	4" Topsoil	8,464	sy	\$ 5.00	\$ 42,322
641	10' Concrete Sidewalk	58,600	sf	\$ 10.00	\$ 586,000
739	Auxiliary Lanes and Median Openings Allotment	499	sf	\$ 128.00	\$ 63,927
Paving Construction Cost Subtotal:					\$ 2,431,042
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	72,931
✓	Traffic Control		3%	\$	72,931
✓	Pavement Markings/Markers		2%	\$	48,621
✓	Roadway Drainage	Standard Internal System	20%	\$	486,208
✓	Illumination		3%	\$	64,562
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	170,173
✓	Establish Turf / Erosion Control		1%	\$	24,310
✓	Basic Landscaping		2%	\$	48,621
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 988,358
Paving and Allowance Subtotal:					\$ 3,419,400
Construction Contingency: 15%					\$ 512,910
Construction Cost TOTAL:					\$ 3,933,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,933,000
Engineering/Survey/Testing:		18%	\$ 707,940
Mobilization		5%	\$ 196,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 393,300
Impact Fee Project Cost TOTAL:			\$ 5,231,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		G-11
Name:	Ten Mile Bridge (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	Westgate to Huffines				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	2,150				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,419	cy	\$ 38.00	\$ 167,939
241	6" Lime Stabilization (with Lime @ 32#/sy)	8,600	sy	\$ 8.00	\$ 68,800
341	11" Concrete Pavement	8,122	sy	\$ 120.00	\$ 974,667
441	6" Curb and Gutter	4,300	lf	\$ 15.00	\$ 64,500
541	4" Topsoil	6,211	sy	\$ 5.00	\$ 31,056
641	10' Concrete Sidewalk	43,000	sf	\$ 10.00	\$ 430,000
739	Auxiliary Lanes and Median Openings Allotment	366	sf	\$ 128.00	\$ 46,909
Paving Construction Cost Subtotal:					\$ 1,783,870
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 53,516
✓	Traffic Control			3%	\$ 53,516
✓	Pavement Markings/Markers			2%	\$ 35,677
✓	Roadway Drainage	Standard Internal System		20%	\$ 356,774
✓	Illumination			3%	\$ 47,375
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 124,871
✓	Establish Turf / Erosion Control			1%	\$ 17,839
✓	Basic Landscaping			2%	\$ 35,677
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 725,246
Paving and Allowance Subtotal:					\$ 2,509,116
Construction Contingency:					15% \$ 376,367
Construction Cost TOTAL:					\$ 2,886,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,886,000
Engineering/Survey/Testing:		18%	\$ 519,480
Mobilization		5%	\$ 144,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 288,600
Impact Fee Project Cost TOTAL:			\$ 3,838,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-12	
Name:	Edward Green (2)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	4570' N of Ten Mile Bridge to Ten Mile Bridge				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	4,570				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	9,394	cy	\$ 38.00	\$ 356,968
241	6" Lime Stabilization (with Lime @ 32#/sy)	18,280	sy	\$ 8.00	\$ 146,240
341	11" Concrete Pavement	17,264	sy	\$ 120.00	\$ 2,071,733
441	6" Curb and Gutter	9,140	lf	\$ 15.00	\$ 137,100
541	4" Topsoil	13,202	sy	\$ 5.00	\$ 66,011
641	10' Concrete Sidewalk	91,400	sf	\$ 10.00	\$ 914,000
739	Auxiliary Lanes and Median Openings Allotment	779	sf	\$ 128.00	\$ 99,709
Paving Construction Cost Subtotal:					\$ 3,791,761
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	113,753
✓	Traffic Control	None Anticipated	3%	\$	113,753
✓	Pavement Markings/Markers		2%	\$	75,835
✓	Roadway Drainage	Standard Internal System	20%	\$	758,352
✓	Illumination		3%	\$	100,699
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	265,423
✓	Establish Turf / Erosion Control		1%	\$	37,918
✓	Basic Landscaping		2%	\$	75,835
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,541,568
Paving and Allowance Subtotal:					\$ 5,333,330
Construction Contingency:					15% \$ 799,999
Construction Cost TOTAL:					\$ 6,134,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,134,000
Engineering/Survey/Testing:		18%	\$ 1,104,120
Mobilization		5%	\$ 306,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,226,800
Impact Fee Project Cost TOTAL:			\$ 8,772,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		G-13
Name:	Hodgkins	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	Ten Mile Bridge to Hatch				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	5,295				
Service Area(s):	G, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,884	cy	\$ 38.00	\$ 413,598
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,180	sy	\$ 8.00	\$ 169,440
341	11" Concrete Pavement	20,003	sy	\$ 120.00	\$ 2,400,400
441	6" Curb and Gutter	10,590	lf	\$ 15.00	\$ 158,850
541	4" Topsoil	15,297	sy	\$ 5.00	\$ 76,483
641	10' Concrete Sidewalk	105,900	sf	\$ 10.00	\$ 1,059,000
739	Auxiliary Lanes and Median Openings Allotment	903	sf	\$ 128.00	\$ 115,527
Paving Construction Cost Subtotal:					\$ 4,393,299
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	131,799
✓	Traffic Control		3%	\$	131,799
✓	Pavement Markings/Markers		2%	\$	87,866
✓	Roadway Drainage	Standard Internal System	20%	\$	878,660
✓	Illumination		3%	\$	116,674
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	307,531
✓	Establish Turf / Erosion Control		1%	\$	43,933
✓	Basic Landscaping		2%	\$	87,866
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,786,128
Paving and Allowance Subtotal:					\$ 6,179,427
Construction Contingency:					15% \$ 926,914
Construction Cost TOTAL:					\$ 7,107,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,107,000
Engineering/Survey/Testing:		18%	\$ 1,279,260
Mobilization		5%	\$ 355,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 710,700
Impact Fee Project Cost TOTAL:			\$ 9,452,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	G-14
Name:	Marine Creek (1)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$11,382,237 overall to this project (G-14, G-15, G-16, and G-17). Overall, \$2,020,500 was attributed by impact fees. This segment accounts for 11% (\$1,197,239) of the overall project.		
Limits:	Old Decatur to 620' S of Old Decatur			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	620			
Service Area(s):	G			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	1,197,239
Previous City contribution	SA G Impact Fees		\$	(212,526)
Other				
Impact Fee Project Cost TOTAL:			\$	984,713

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	G-15
Name:	Marine Creek (2)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$11,382,237 overall to this project (G-14, G-15, G-16, and G-17). Overall, \$2,020,500 was attributed by impact fees. This segment accounts for 21% (\$2,379,368) of the overall project.		
Limits:	620' S of Old Decatur to Cromwell Marine Creek			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,245			
Service Area(s):	G			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	2,379,368
Previous City contribution	SA G Impact Fees		\$	(422,369)
Other				
Impact Fee Project Cost TOTAL:			\$	1,956,999

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	G-16
Name:	Marine Creek (3)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$11,382,237 overall to this project (G-14, G-15, G-16, and G-17). Overall, \$2,020,500 was attributed by impact fees. This segment accounts for 22% (\$2,496,917) of the overall project.		
Limits:	Cromwell Marine Creek to Longhorn			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,290			
Service Area(s):	G			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost		-	\$	2,496,917
Previous City contribution			\$	(443,236)
Other				
Impact Fee Project Cost TOTAL:				\$ 2,053,681

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	G-17
Name:	Marine Creek (4)	This project consists of the previously completed four-lane divided neighborhood connector as part of the 2014 Bond Program. The City contributed \$11,382,237 overall to this project (G-14, G-15, G-16, and G-17). Overall, \$2,020,500 was attributed by impact fees. This segment accounts for 46% (\$5,308,711) of the overall project.		
Limits:	Longhorn to 410' S of Goodland			
Impact Fee Class:	CCO (E)			
Ultimate Class:	Established Commercial Connector			
Length (lf):	2,760			
Service Area(s):	G			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Construction:		-	\$	5,308,711
Previous City contribution			\$	(942,367)
Other				
Impact Fee Project Cost TOTAL:			\$	4,366,344

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-18
Name:	Marine Creek (5)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Angle to FM 1220			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	5,310			
Service Area(s):	G			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,915	cy	\$ 38.00	\$ 414,770
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,240	sy	\$ 8.00	\$ 169,920
341	11" Concrete Pavement	20,060	sy	\$ 120.00	\$ 2,407,200
441	6" Curb and Gutter	10,620	lf	\$ 15.00	\$ 159,300
541	4" Topsoil	15,340	sy	\$ 5.00	\$ 76,700
641	10' Concrete Sidewalk	106,200	sf	\$ 10.00	\$ 1,062,000
739	Auxiliary Lanes and Median Openings Allotment	905	sf	\$ 128.00	\$ 115,855
Paving Construction Cost Subtotal:					\$ 4,405,745
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 132,172
✓	Traffic Control			3%	\$ 132,172
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 88,115
✓	Roadway Drainage			20%	\$ 881,149
✓	Illumination			3%	\$ 117,005
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 962,500	\$ 962,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 308,402
✓	Establish Turf / Erosion Control			1%	\$ 44,057
✓	Basic Landscaping			2%	\$ 88,115
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,753,688
Paving and Allowance Subtotal:					\$ 7,159,432
Construction Contingency:					15% \$ 1,073,915
Construction Cost TOTAL:					\$ 8,234,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,234,000
Engineering/Survey/Testing:		18%	\$ 1,482,120
Mobilization		5%	\$ 411,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,646,800
Impact Fee Project Cost TOTAL:			\$ 11,775,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	G-19
Name:	Old Decatur (3)	This project consists of the reconstruction of the southbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	River Rock to IH-820 WBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,565			
Service Area(s):	G			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	2,261	cy	\$ 38.00	\$ 85,901
231	6" Lime Stabilization (with Lime @ 32#/sy)	4,347	sy	\$ 8.00	\$ 34,778
331	11" Concrete Pavement	3,999	sy	\$ 120.00	\$ 479,933
431	6" Curb and Gutter	3,130	lf	\$ 15.00	\$ 46,950
531	4" Topsoil	3,826	sy	\$ 5.00	\$ 19,128
631	10' Concrete Sidewalk	15,650	sf	\$ 10.00	\$ 156,500
729	Auxiliary Lanes and Median Openings Allotment	628	sf	\$ 128.00	\$ 80,432
Paving Construction Cost Subtotal:					\$ 903,622
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 27,109
✓	Traffic Control			3%	\$ 27,109
✓	Pavement Markings/Markers			2%	\$ 18,072
✓	Roadway Drainage	Standard Internal System		20%	\$ 180,724
✓	Illumination			3%	\$ 23,998
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 63,254
✓	Establish Turf / Erosion Control			1%	\$ 9,036
✓	Basic Landscaping			2%	\$ 18,072
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 367,374
Paving and Allowance Subtotal:					\$ 1,270,995
Construction Contingency:					15% \$ 190,649
Construction Cost TOTAL:					\$ 1,462,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,462,000
Engineering/Survey/Testing:		18%	\$ 263,160
Mobilization		5%	\$ 73,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 146,200
Impact Fee Project Cost TOTAL:			\$ 1,944,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.		G-20
Name:	Old Decatur (4)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	IH-820 EBFR to 890' N of Angle				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,340				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	9,649	cy	\$ 38.00	\$ 366,658
230	6" Lime Stabilization (with Lime @ 32#/sy)	18,556	sy	\$ 8.00	\$ 148,444
330	11" Concrete Pavement	17,071	sy	\$ 120.00	\$ 2,048,533
430	6" Curb and Gutter	13,360	lf	\$ 15.00	\$ 200,400
530	4" Topsoil	16,329	sy	\$ 5.00	\$ 81,644
630	10' Concrete Sidewalk	66,800	sf	\$ 10.00	\$ 668,000
728	Auxiliary Lanes and Median Openings Allotment	1,341	sf	\$ 128.00	\$ 171,656
Paving Construction Cost Subtotal:					\$ 3,685,336
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 110,560
✓	Traffic Control			3%	\$ 110,560
✓	Pavement Markings/Markers			2%	\$ 73,707
✓	Roadway Drainage	Standard Internal System		20%	\$ 737,067
✓	Illumination			3%	\$ 97,873
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,914,000	\$ 1,914,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 257,974
✓	Establish Turf / Erosion Control			1%	\$ 36,853
✓	Basic Landscaping			2%	\$ 73,707
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,412,300
Paving and Allowance Subtotal:					\$ 7,097,636
Construction Contingency:					15% \$ 1,064,645
Construction Cost TOTAL:					\$ 8,163,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,163,000
Engineering/Survey/Testing:		18%	\$ 1,469,340
Mobilization		5%	\$ 408,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 816,300
Impact Fee Project Cost TOTAL:			\$ 10,857,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

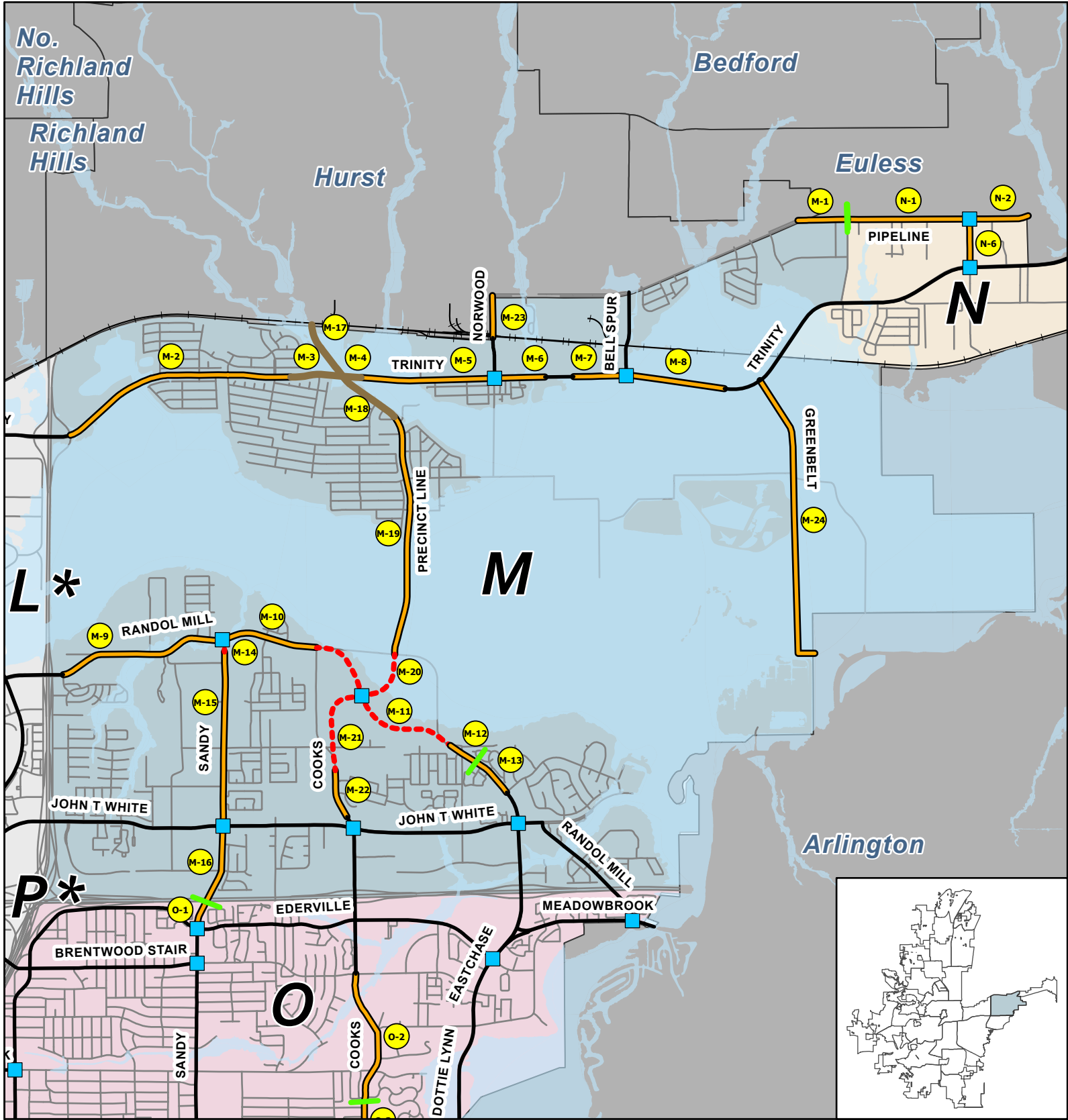
5/26/2022

Project Information:		Description:	Project No.		G-21
Name:	Cromwell Marine Creek (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.			
Limits:	Marine Creek to Old Decatur				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	690				
Service Area(s):	G				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,262	cy	\$ 38.00	\$ 85,943
233	6" Lime Stabilization (with Lime @ 32#/sy)	4,447	sy	\$ 8.00	\$ 35,573
333	11" Concrete Pavement	4,293	sy	\$ 120.00	\$ 515,200
433	6" Curb and Gutter	1,380	lf	\$ 15.00	\$ 20,700
533	4" Topsoil	2,607	sy	\$ 5.00	\$ 13,033
633	10' Concrete Sidewalk	13,800	sf	\$ 10.00	\$ 138,000
731	Auxiliary Lanes and Median Openings Allotment	118	sf	\$ 128.00	\$ 15,055
Paving Construction Cost Subtotal:					\$ 823,505
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	24,705
✓	Traffic Control		3%	\$	24,705
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	16,470
✓	Roadway Drainage		20%	\$	164,701
✓	Illumination		3%	\$	21,870
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	57,645
✓	Establish Turf / Erosion Control		1%	\$	8,235
✓	Basic Landscaping		2%	\$	16,470
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 334,802
Paving and Allowance Subtotal:					\$ 1,158,306
Construction Contingency:					15% \$ 173,746
Construction Cost TOTAL:					\$ 1,333,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,333,000
Engineering/Survey/Testing:		18%	\$ 239,940
Mobilization		5%	\$ 66,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 133,300
Impact Fee Project Cost TOTAL:			\$ 1,773,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.



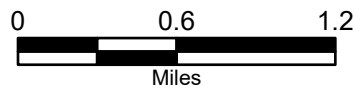
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA M)



Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area M

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
M-1	CCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (1)	SH 10 to Raider	Widening	100%	\$ 2,724,000	\$ 2,724,000
M-2	CMU-L2-T0-TWLT-P0-BLC (110)	Trinity (1)	IH 820 NBFR to 1550' W of Precinct Line	Widening	100%	\$ 24,656,000	\$ 24,656,000
M-3	CMU-L2-T0-NTMS-P0-BLC (110)	Trinity (2)	1550' W of Precinct Line to Precinct Line	Previous	100%	\$ 647,647	\$ 647,647
M-4	SYS-L3-T0-NTMW-P0-BLS (130)	Trinity (3)	Precinct Line to 545' E of Precinct Line	Previous	100%	\$ 215,882	\$ 215,882
M-5	SYS-L3-T0-NTMW-P0-BLS (130) (W)	Trinity (4)	545' E of Precinct Line to Norwood	Widening	100%	\$ 14,998,000	\$ 14,998,000
M-6	SYS-L3-T0-NTMW-P0-BLS (130) (W)	Trinity (5)	Norwood to 1500' E of Norwood	Widening	100%	\$ 8,517,000	\$ 8,517,000
M-7	SYS-L3-T0-NTMW-P0-BLS (130) (W)	Trinity (6)	1560' W of Bell Spur to Bell Spur	Widening	100%	\$ 8,674,000	\$ 8,674,000
M-8	SYS-L3-T0-NTMW-P0-BLS (130) (W)	Trinity (7)	Bell Spur to 2950' E of Bell Spur	Widening	100%	\$ 12,314,000	\$ 12,314,000
M-9	NCO-L1-T0-TWLT-P0-BLC (80)	Randol Mill (1)	Stoneview to Sandy	Widening	100%	\$ 14,810,000	\$ 14,810,000
M-10	NCO-L1-T0-TWLT-P0-BLC (80)	Randol Mill (2)	Sandy to Cooks	Widening	100%	\$ 7,560,000	\$ 7,560,000
M-11	NCO-L2-T0-NTMS-P0-BLS (110)	Randol Mill (3)	Cooks to Lowery	New	100%	\$ 14,044,000	\$ 14,044,000
M-12	NCO-L2-T0-NTMS-P0-BLS (110)	Randol Mill (4)	Lowery to 880' E of Lowery	Widening	100%	\$ 2,125,000	\$ 2,125,000
M-13	NCO-L2-T0-NTMS-P0-BLS (110) (1/2)	Randol Mill (5)	880' E of Lowery to Racquet Club	Widening	100%	\$ 1,666,000	\$ 1,666,000
M-14	NCO-L1-T0-TWLT-P0-BOP (80)	Sandy (1)	Randol Mill to 370' S of Randol Mill	New	100%	\$ 711,000	\$ 711,000
M-15	NCO-L1-T0-TWLT-P0-BOP (80)	Sandy (2)	370' S of Randol Mill to John T White	Widening	100%	\$ 9,255,000	\$ 9,255,000
M-16	NCO-L2-T0-TWLT-P0-BOP (110)	Sandy (3)	IH 30 to John T White	Widening	100%	\$ 8,029,000	\$ 8,029,000
M-17	NCO-L2-T0-NTMS-P0-BOP (110)	Precinct Line (1)	1825' N of Trinity to Trinity	Previous	100%	\$ 743,594	\$ 743,594
M-18	NCO-L2-T0-NTMS-P0-BOP (110)	Precinct Line (2)	Trinity to 1955' S of Trinity	Previous	100%	\$ 791,568	\$ 791,568
M-19	NCO-L2-T0-NTMS-P0-BOP (110)	Precinct Line (3)	1955' S of Trinity to Randol Mill	Widening	100%	\$ 21,680,000	\$ 21,680,000
M-20	NCO-L2-T0-NTMS-P0-BOP (110)	Precinct Line (4)	Randol Mill (Existing) to 1815' S of Randol Mill (Existing)	New	100%	\$ 9,567,000	\$ 9,567,000
M-21	NCO-L1-T0-TWLT-P0-BOP (80)	Cooks (1)	1815' S of Randol Mill to 690' S of Lowery	New	100%	\$ 5,461,000	\$ 5,461,000
M-22	NCO-L1-T0-TWLT-P0-BOP (80)	Cooks (2)	395' N of John T White to 1840' N of John T White	Widening	100%	\$ 2,590,000	\$ 2,590,000
M-23	CCO-L1-T0-TWLT-P0-BOP (80)	Norwood	SH 10 to Railroad	Widening	100%	\$ 6,307,000	\$ 6,307,000
M-24	NCO-L2-T0-NTMS-P0-BOP (110)	Greenbelt	Trinity to 8885' S of Trinity	Widening	100%	\$ 25,680,000	\$ 25,680,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	John T White	Cooks	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	John T White	Randol Mill	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	John T White	Sandy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Precinct Line	Randol Mill	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Randol Mill	Sandy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Bell Spur	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Norwood	Rebuild	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-1
Name:	Pipeline (1)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided commercial connector.		
Limits:	SH 10 to Raider			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,470			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	3,185	cy	\$ 38.00	\$ 121,030
239	6" Lime Stabilization (with Lime @ 32#/sy)	6,207	sy	\$ 8.00	\$ 49,653
339	11" Concrete Pavement	5,880	sy	\$ 120.00	\$ 705,600
439	6" Curb and Gutter	2,940	lf	\$ 15.00	\$ 44,100
539	4" Topsoil	3,920	sy	\$ 5.00	\$ 19,600
639	10' Concrete Sidewalk	29,400	sf	\$ 10.00	\$ 294,000
737	Auxiliary Lanes and Median Openings Allotment	251	sf	\$ 128.00	\$ 32,073
Paving Construction Cost Subtotal:					\$ 1,266,056
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 37,982
✓	Traffic Control			3%	\$ 37,982
✓	Pavement Markings/Markers			2%	\$ 25,321
✓	Roadway Drainage	Standard Internal System		20%	\$ 253,211
✓	Illumination			3%	\$ 33,623
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 88,624
✓	Establish Turf / Erosion Control			1%	\$ 12,661
✓	Basic Landscaping			2%	\$ 25,321
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 514,724
Paving and Allowance Subtotal:					\$ 1,780,780
Construction Contingency:					15% \$ 267,117
Construction Cost TOTAL:					\$ 2,048,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,048,000
Engineering/Survey/Testing:		18%	\$ 368,640
Mobilization		5%	\$ 102,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 204,800
Impact Fee Project Cost TOTAL:			\$ 2,724,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-2
Name:	Trinity (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commerce/mixed-use street.		
Limits:	IH 820 NBFR to 1550' W of Precinct Line			
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)			
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street			
Length (lf):	7,135			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	28,144	cy	\$ 38.00	\$ 1,069,457
227	6" Lime Stabilization (with Lime @ 32#/sy)	55,494	sy	\$ 8.00	\$ 443,956
327	11" Concrete Pavement	53,909	sy	\$ 120.00	\$ 6,469,067
427	6" Curb and Gutter	14,270	lf	\$ 15.00	\$ 214,050
527	4" Topsoil	23,783	sy	\$ 5.00	\$ 118,917
627	6' Concrete Sidewalk	85,620	sf	\$ 10.00	\$ 856,200
725	Auxiliary Lanes and Median Openings Allotment	1,216	sf	\$ 128.00	\$ 155,673
Paving Construction Cost Subtotal:					\$ 9,327,319
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 279,820
✓	Traffic Control			3%	\$ 279,820
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 186,546
✓	Roadway Drainage			20%	\$ 1,865,464
✓	Illumination			3%	\$ 247,709
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 652,912
✓	Establish Turf / Erosion Control			1%	\$ 93,273
✓	Basic Landscaping			2%	\$ 186,546
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 6,792,090
Paving and Allowance Subtotal:					\$ 16,119,409
Construction Contingency:					15% \$ 2,417,911
Construction Cost TOTAL:					\$ 18,538,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 18,538,000
Engineering/Survey/Testing:		18%	\$ 3,336,840
Mobilization		5%	\$ 926,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,853,800
Impact Fee Project Cost TOTAL:			\$ 24,656,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-3
Name:	Trinity (2)	This project consists of the construction of the four-lane divided commerce/mixed-use street section. The City contributed \$647,647 to this project as part of the reconstruction of Precinct Line (M-3, M-4, M-17, and M-18).		
Limits:	1550' W of Precinct Line to Precinct Line			
Impact Fee Class:	CMU-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commerce/Mixed-Use Street			
Length (lf):	1,550			
Service Area(s):	M			
Impact Fee Project Cost TOTAL:			\$	647,647

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.
 The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-4
Name:	Trinity (3)	This project consists of the construction of the four-lane divided system link. The City contributed \$215,882 to this project as part of the reconstruction of Precinct Line (M-3, M-4, M-17, and M-18).		
Limits:	Precinct Line to 545' E of Precinct Line			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	545			
Service Area(s):	M			
Impact Fee Project Cost TOTAL:			\$	215,882

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-5
Name:	Trinity (4)	This project consists of the reconstruction of the existing four-lane undivided asphalt as a four-lane divided system link with a wide median.		
Limits:	545' E of Precinct Line to Norwood			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	3,975			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
119	Unclassified Street Excavation	16,783	cy	\$ 38.00	\$ 637,767
219	6" Lime Stabilization (with Lime @ 32#/sy)	22,967	sy	\$ 8.00	\$ 183,733
319	11" Concrete Pavement	21,200	sy	\$ 120.00	\$ 2,544,000
419	6" Curb and Gutter	15,900	lf	\$ 15.00	\$ 238,500
519	4" Topsoil	26,500	sy	\$ 5.00	\$ 132,500
619	11' Concrete Sidewalk	87,450	sf	\$ 10.00	\$ 874,500
717	Auxiliary Lanes and Median Openings Allotment	1,777	sf	\$ 128.00	\$ 227,418
Paving Construction Cost Subtotal:					\$ 4,838,418
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 145,153
✓	Traffic Control			3%	\$ 145,153
✓	Pavement Markings/Markers			2%	\$ 96,768
✓	Roadway Drainage	Standard Internal System		20%	\$ 967,684
✓	Illumination			3%	\$ 128,495
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 338,689
✓	Establish Turf / Erosion Control			1%	\$ 48,384
✓	Basic Landscaping			2%	\$ 96,768
	Other:			\$0	-
Allowance Subtotal:					\$ 4,967,094
Paving and Allowance Subtotal:					\$ 9,805,513
Construction Contingency:					15% \$ 1,470,827
Construction Cost TOTAL:					\$ 11,277,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,277,000
Engineering/Survey/Testing:		18%	\$ 2,029,860
Mobilization		5%	\$ 563,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,127,700
Impact Fee Project Cost TOTAL:			\$ 14,998,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-6
Name:	Trinity (5)	This project consists of the reconstruction of the existing four-lane undivided asphalt as a four-lane divided system link with a wide median.		
Limits:	Norwood to 1500' E of Norwood			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	1,500			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
119	Unclassified Street Excavation	6,333	cy	\$ 38.00	\$ 240,667
219	6" Lime Stabilization (with Lime @ 32#/sy)	8,667	sy	\$ 8.00	\$ 69,333
319	11" Concrete Pavement	8,000	sy	\$ 120.00	\$ 960,000
419	6" Curb and Gutter	6,000	lf	\$ 15.00	\$ 90,000
519	4" Topsoil	10,000	sy	\$ 5.00	\$ 50,000
619	11' Concrete Sidewalk	33,000	sf	\$ 10.00	\$ 330,000
717	Auxiliary Lanes and Median Openings Allotment	670	sf	\$ 128.00	\$ 85,818
Paving Construction Cost Subtotal:					\$ 1,825,818
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 54,775
✓	Traffic Control			3%	\$ 54,775
✓	Pavement Markings/Markers			2%	\$ 36,516
✓	Roadway Drainage	Standard Internal System		20%	\$ 365,164
✓	Illumination			3%	\$ 48,489
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 127,807
✓	Establish Turf / Erosion Control			1%	\$ 18,258
✓	Basic Landscaping			2%	\$ 36,516
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,742,300
Paving and Allowance Subtotal:					\$ 5,568,118
Construction Contingency:					15% \$ 835,218
Construction Cost TOTAL:					\$ 6,404,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,404,000
Engineering/Survey/Testing:		18%	\$ 1,152,720
Mobilization		5%	\$ 320,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 640,400
Impact Fee Project Cost TOTAL:			\$ 8,517,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-7
Name:	Trinity (6)	This project consists of the reconstruction of the existing four-lane undivided asphalt as a four-lane divided system link with a wide median.		
Limits:	1560' W of Bell Spur to Bell Spur			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	1,560			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
119	Unclassified Street Excavation	6,587	cy	\$ 38.00	\$ 250,293
219	6" Lime Stabilization (with Lime @ 32#/sy)	9,013	sy	\$ 8.00	\$ 72,107
319	11" Concrete Pavement	8,320	sy	\$ 120.00	\$ 998,400
419	6" Curb and Gutter	6,240	lf	\$ 15.00	\$ 93,600
519	4" Topsoil	10,400	sy	\$ 5.00	\$ 52,000
619	11' Concrete Sidewalk	34,320	sf	\$ 10.00	\$ 343,200
717	Auxiliary Lanes and Median Openings Allotment	697	sf	\$ 128.00	\$ 89,251
Paving Construction Cost Subtotal:					\$ 1,898,851
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 56,966
✓	Traffic Control			3%	\$ 56,966
✓	Pavement Markings/Markers			2%	\$ 37,977
✓	Roadway Drainage	Standard Internal System		20%	\$ 379,770
✓	Illumination			3%	\$ 50,428
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 132,920
✓	Establish Turf / Erosion Control			1%	\$ 18,989
✓	Basic Landscaping			2%	\$ 37,977
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,771,992
Paving and Allowance Subtotal:					\$ 5,670,843
Construction Contingency:					15% \$ 850,626
Construction Cost TOTAL:					\$ 6,522,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,522,000
Engineering/Survey/Testing:		18%	\$ 1,173,960
Mobilization		5%	\$ 326,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 652,200
Impact Fee Project Cost TOTAL:			\$ 8,674,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-8
Name:	Trinity (7)	This project consists of the widening and reconstruction of the existing four-lane undivided asphalt as a four-lane divided system link with a wide median.		
Limits:	Bell Spur to 2950' E of Bell Spur			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	2,950			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
119	Unclassified Street Excavation	12,456	cy	\$ 38.00	\$ 473,311
219	6" Lime Stabilization (with Lime @ 32#/sy)	17,044	sy	\$ 8.00	\$ 136,356
319	11" Concrete Pavement	15,733	sy	\$ 120.00	\$ 1,888,000
419	6" Curb and Gutter	11,800	lf	\$ 15.00	\$ 177,000
519	4" Topsoil	19,667	sy	\$ 5.00	\$ 98,333
619	11' Concrete Sidewalk	64,900	sf	\$ 10.00	\$ 649,000
717	Auxiliary Lanes and Median Openings Allotment	1,319	sf	\$ 128.00	\$ 168,776
Paving Construction Cost Subtotal:					\$ 3,590,776
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 107,723
✓	Traffic Control			3%	\$ 107,723
✓	Pavement Markings/Markers			2%	\$ 71,816
✓	Roadway Drainage	Standard Internal System		20%	\$ 718,155
✓	Illumination			3%	\$ 95,361
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 251,354
✓	Establish Turf / Erosion Control			1%	\$ 35,908
✓	Basic Landscaping			2%	\$ 71,816
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,459,856
Paving and Allowance Subtotal:					\$ 8,050,632
Construction Contingency:					15% \$ 1,207,595
Construction Cost TOTAL:					\$ 9,259,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,259,000
Engineering/Survey/Testing:		18%	\$ 1,666,620
Mobilization		5%	\$ 462,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 925,900
Impact Fee Project Cost TOTAL:			\$ 12,314,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-9
Name:	Randol Mill (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Stoneview to Sandy			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BLC (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	5,035			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
140	Unclassified Street Excavation	13,706	cy	\$ 38.00	\$ 520,843
240	6" Lime Stabilization (with Lime @ 32#/sy)	26,853	sy	\$ 8.00	\$ 214,827
340	11" Concrete Pavement	25,734	sy	\$ 120.00	\$ 3,088,133
440	6" Curb and Gutter	10,070	lf	\$ 15.00	\$ 151,050
540	4" Topsoil	12,308	sy	\$ 5.00	\$ 61,539
640	6' Concrete Sidewalk	60,420	sf	\$ 10.00	\$ 604,200
738	Auxiliary Lanes and Median Openings Allotment	858	sf	\$ 128.00	\$ 109,855
Paving Construction Cost Subtotal:					\$ 4,750,446
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 142,513
✓	Traffic Control			3%	\$ 142,513
✓	Pavement Markings/Markers			2%	\$ 95,009
✓	Roadway Drainage	Standard Internal System		20%	\$ 950,089
✓	Illumination			3%	\$ 126,159
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 332,531
✓	Establish Turf / Erosion Control			1%	\$ 47,504
✓	Basic Landscaping			2%	\$ 95,009
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,931,329
Paving and Allowance Subtotal:					\$ 9,681,775
Construction Contingency:					15% \$ 1,452,266
Construction Cost TOTAL:					\$ 11,135,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,135,000
Engineering/Survey/Testing:		18%	\$ 2,004,300
Mobilization		5%	\$ 556,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,113,500
Impact Fee Project Cost TOTAL:			\$ 14,810,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-10
Name:	Randol Mill (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Sandy to Cooks			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BLC (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	2,885			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
140	Unclassified Street Excavation	7,854	cy	\$ 38.00	\$ 298,437
240	6" Lime Stabilization (with Lime @ 32#/sy)	15,387	sy	\$ 8.00	\$ 123,093
340	11" Concrete Pavement	14,746	sy	\$ 120.00	\$ 1,769,467
440	6" Curb and Gutter	5,770	lf	\$ 15.00	\$ 86,550
540	4" Topsoil	7,052	sy	\$ 5.00	\$ 35,261
640	6' Concrete Sidewalk	34,620	sf	\$ 10.00	\$ 346,200
738	Auxiliary Lanes and Median Openings Allotment	492	sf	\$ 128.00	\$ 62,945
Paving Construction Cost Subtotal:					\$ 2,721,954
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 81,659
✓	Traffic Control			3%	\$ 81,659
✓	Pavement Markings/Markers			2%	\$ 54,439
✓	Roadway Drainage	Standard Internal System		20%	\$ 544,391
✓	Illumination			3%	\$ 72,288
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,113,750	\$ 1,113,750
✓	Water/Sewer	Minor Adjustments		7%	\$ 190,537
✓	Establish Turf / Erosion Control			1%	\$ 27,220
✓	Basic Landscaping			2%	\$ 54,439
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,220,380
Paving and Allowance Subtotal:					\$ 4,942,334
Construction Contingency:					15% \$ 741,350
Construction Cost TOTAL:					\$ 5,684,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,684,000
Engineering/Survey/Testing:		18%	\$ 1,023,120
Mobilization		5%	\$ 284,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 568,400
Impact Fee Project Cost TOTAL:			\$ 7,560,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-11
Name:	Randol Mill (3)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Cooks to Lowery			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,410			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	15,629	cy	\$ 38.00	\$ 593,898
228	6" Lime Stabilization (with Lime @ 32#/sy)	30,056	sy	\$ 8.00	\$ 240,444
328	11" Concrete Pavement	27,651	sy	\$ 120.00	\$ 3,318,133
428	6" Curb and Gutter	21,640	lf	\$ 15.00	\$ 324,600
528	4" Topsoil	25,247	sy	\$ 5.00	\$ 126,233
628	11' Concrete Sidewalk	119,020	sf	\$ 10.00	\$ 1,190,200
726	Auxiliary Lanes and Median Openings Allotment	2,172	sf	\$ 128.00	\$ 278,041
Paving Construction Cost Subtotal:					\$ 6,071,550
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 182,147
✓	Traffic Control			3%	\$ 182,147
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 121,431
✓	Roadway Drainage			20%	\$ 1,214,310
✓	Illumination			3%	\$ 161,244
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 425,009
✓	Establish Turf / Erosion Control			1%	\$ 60,716
✓	Basic Landscaping			2%	\$ 121,431
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,468,433
Paving and Allowance Subtotal:					\$ 8,539,983
Construction Contingency:					15% \$ 1,280,997
Construction Cost TOTAL:					\$ 9,821,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,821,000
Engineering/Survey/Testing:		18%	\$ 1,767,780
Mobilization		5%	\$ 491,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,964,200
Impact Fee Project Cost TOTAL:			\$ 14,044,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-12
Name:	Randol Mill (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Lowery to 880' E of Lowery			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	880			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	2,542	cy	\$ 38.00	\$ 96,604
228	6" Lime Stabilization (with Lime @ 32#/sy)	4,889	sy	\$ 8.00	\$ 39,111
328	11" Concrete Pavement	4,498	sy	\$ 120.00	\$ 539,733
428	6" Curb and Gutter	3,520	lf	\$ 15.00	\$ 52,800
528	4" Topsoil	4,107	sy	\$ 5.00	\$ 20,533
628	11' Concrete Sidewalk	19,360	sf	\$ 10.00	\$ 193,600
726	Auxiliary Lanes and Median Openings Allotment	353	sf	\$ 128.00	\$ 45,227
Paving Construction Cost Subtotal:					\$ 987,609
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,628
✓	Traffic Control			3%	\$ 29,628
✓	Pavement Markings/Markers			2%	\$ 19,752
✓	Roadway Drainage	Standard Internal System		20%	\$ 197,522
✓	Illumination			3%	\$ 26,228
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 69,133
✓	Establish Turf / Erosion Control			1%	\$ 9,876
✓	Basic Landscaping			2%	\$ 19,752
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 401,520
Paving and Allowance Subtotal:					\$ 1,389,129
Construction Contingency:					15% \$ 208,369
Construction Cost TOTAL:					\$ 1,598,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,598,000
Engineering/Survey/Testing:		18%	\$ 287,640
Mobilization		5%	\$ 79,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 159,800
Impact Fee Project Cost TOTAL:			\$ 2,125,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-13
Name:	Randol Mill (5)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	880' E of Lowery to Racquet Club			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,320			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
129	Unclassified Street Excavation	1,907	cy	\$ 38.00	\$ 72,453
229	6" Lime Stabilization (with Lime @ 32#/sy)	3,667	sy	\$ 8.00	\$ 29,333
329	11" Concrete Pavement	3,373	sy	\$ 120.00	\$ 404,800
429	6" Curb and Gutter	2,640	lf	\$ 15.00	\$ 39,600
529	4" Topsoil	3,080	sy	\$ 5.00	\$ 15,400
629	11' Concrete Sidewalk	14,520	sf	\$ 10.00	\$ 145,200
727	Auxiliary Lanes and Median Openings Allotment	530	sf	\$ 128.00	\$ 67,840
Paving Construction Cost Subtotal:					\$ 774,627
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 23,239
✓	Traffic Control			3%	\$ 23,239
✓	Pavement Markings/Markers			2%	\$ 15,493
✓	Roadway Drainage	Standard Internal System		20%	\$ 154,925
✓	Illumination			3%	\$ 20,572
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 54,224
✓	Establish Turf / Erosion Control			1%	\$ 7,746
✓	Basic Landscaping			2%	\$ 15,493
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 314,930
Paving and Allowance Subtotal:					\$ 1,089,557
Construction Contingency:					15% \$ 163,434
Construction Cost TOTAL:					\$ 1,253,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,253,000
Engineering/Survey/Testing:		18%	\$ 225,540
Mobilization		5%	\$ 62,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 125,300
Impact Fee Project Cost TOTAL:			\$ 1,666,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-14
Name:	Sandy (1)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Randol Mill to 370' S of Randol Mill			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	370			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	761	cy	\$ 38.00	\$ 28,901
241	6" Lime Stabilization (with Lime @ 32#/sy)	1,480	sy	\$ 8.00	\$ 11,840
341	11" Concrete Pavement	1,398	sy	\$ 120.00	\$ 167,733
441	6" Curb and Gutter	740	lf	\$ 15.00	\$ 11,100
541	4" Topsoil	1,069	sy	\$ 5.00	\$ 5,344
641	10' Concrete Sidewalk	7,400	sf	\$ 10.00	\$ 74,000
739	Auxiliary Lanes and Median Openings Allotment	63	sf	\$ 128.00	\$ 8,073
Paving Construction Cost Subtotal:					\$ 306,992
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 9,210
✓	Traffic Control			3%	\$ 9,210
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 6,140
✓	Roadway Drainage			20%	\$ 61,398
✓	Illumination			3%	\$ 8,153
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 21,489
✓	Establish Turf / Erosion Control			1%	\$ 3,070
✓	Basic Landscaping			2%	\$ 6,140
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 124,810
Paving and Allowance Subtotal:					\$ 431,801
Construction Contingency:					15% \$ 64,770
Construction Cost TOTAL:					\$ 497,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 497,000
Engineering/Survey/Testing:		18%	\$ 89,460
Mobilization		5%	\$ 24,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 99,400
Impact Fee Project Cost TOTAL:			\$ 711,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-15
Name:	Sandy (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	370' S of Randol Mill to John T White			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	5,185			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,658	cy	\$ 38.00	\$ 405,006
241	6" Lime Stabilization (with Lime @ 32#/sy)	20,740	sy	\$ 8.00	\$ 165,920
341	11" Concrete Pavement	19,588	sy	\$ 120.00	\$ 2,350,533
441	6" Curb and Gutter	10,370	lf	\$ 15.00	\$ 155,550
541	4" Topsoil	14,979	sy	\$ 5.00	\$ 74,894
641	10' Concrete Sidewalk	103,700	sf	\$ 10.00	\$ 1,037,000
739	Auxiliary Lanes and Median Openings Allotment	884	sf	\$ 128.00	\$ 113,127
Paving Construction Cost Subtotal:					\$ 4,302,031
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 129,061
✓	Traffic Control			3%	\$ 129,061
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 86,041
✓	Roadway Drainage			20%	\$ 860,406
✓	Illumination			3%	\$ 114,250
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 301,142
✓	Establish Turf / Erosion Control			1%	\$ 43,020
✓	Basic Landscaping			2%	\$ 86,041
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,749,022
Paving and Allowance Subtotal:					\$ 6,051,053
Construction Contingency:					15% \$ 907,658
Construction Cost TOTAL:					\$ 6,959,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,959,000
Engineering/Survey/Testing:		18%	\$ 1,252,620
Mobilization		5%	\$ 347,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 695,900
Impact Fee Project Cost TOTAL:			\$ 9,255,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-16
Name:	Sandy (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	IH 30 to John T White			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	2,350			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	7,703	cy	\$ 38.00	\$ 292,706
233	6" Lime Stabilization (with Lime @ 32#/sy)	15,144	sy	\$ 8.00	\$ 121,156
333	11" Concrete Pavement	14,622	sy	\$ 120.00	\$ 1,754,667
433	6" Curb and Gutter	4,700	lf	\$ 15.00	\$ 70,500
533	4" Topsoil	8,878	sy	\$ 5.00	\$ 44,389
633	10' Concrete Sidewalk	47,000	sf	\$ 10.00	\$ 470,000
731	Auxiliary Lanes and Median Openings Allotment	401	sf	\$ 128.00	\$ 51,273
Paving Construction Cost Subtotal:					\$ 2,804,689
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 84,141
✓	Traffic Control			3%	\$ 84,141
✓	Pavement Markings/Markers			2%	\$ 56,094
✓	Roadway Drainage	Standard Internal System		20%	\$ 560,938
✓	Illumination			3%	\$ 74,485
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 196,328
✓	Establish Turf / Erosion Control			1%	\$ 28,047
✓	Basic Landscaping			2%	\$ 56,094
✓	Other:	IH-30 Crossing		\$1,500,000	\$ 1,500,000
Allowance Subtotal:					\$ 2,640,267
Paving and Allowance Subtotal:					\$ 5,444,956
Construction Contingency:					15% \$ 591,743
Construction Cost TOTAL:					\$ 6,037,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,037,000
Engineering/Survey/Testing:		18%	\$ 1,086,660
Mobilization		5%	\$ 301,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 603,700
Impact Fee Project Cost TOTAL:			\$ 8,029,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-17
Name:	Precinct Line (1)	This project consists of the construction of the four-lane divided commerce/mixed-use street section. The City contributed \$743,594 to this project as part of the reconstruction of Precinct Line (M-3, M-4, M-17, and M-18).		
Limits:	1825' N of Trinity to Trinity			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,825			
Service Area(s):	M			
Impact Fee Project Cost TOTAL:			\$	743,594

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-18
Name:	Precinct Line (2)	This project consists of the construction of the four-lane divided commerce/mixed-use street section. The City contributed \$791,568 to this project as part of the reconstruction of Precinct Line (M-3, M-4, M-17, and M-18).		
Limits:	Trinity to 1955' S of Trinity			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,955			
Service Area(s):	M			
Impact Fee Project Cost TOTAL:			\$	791,568

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-19
Name:	Precinct Line (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	1955' S of Trinity to Randol Mill			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	7,200			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	20,800	cy	\$ 38.00	\$ 790,400
230	6" Lime Stabilization (with Lime @ 32#/sy)	40,000	sy	\$ 8.00	\$ 320,000
330	11" Concrete Pavement	36,800	sy	\$ 120.00	\$ 4,416,000
430	6" Curb and Gutter	28,800	lf	\$ 15.00	\$ 432,000
530	4" Topsoil	35,200	sy	\$ 5.00	\$ 176,000
630	10' Concrete Sidewalk	144,000	sf	\$ 10.00	\$ 1,440,000
728	Auxiliary Lanes and Median Openings Allotment	2,891	sf	\$ 128.00	\$ 370,036
Paving Construction Cost Subtotal:					\$ 7,944,436
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 238,333
✓	Traffic Control			3%	\$ 238,333
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 158,889
✓	Roadway Drainage			20%	\$ 1,588,887
✓	Illumination			3%	\$ 210,983
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 556,111
✓	Establish Turf / Erosion Control			1%	\$ 79,444
✓	Basic Landscaping			2%	\$ 158,889
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 6,229,869
Paving and Allowance Subtotal:					\$ 14,174,305
Construction Contingency:					15% \$ 2,126,146
Construction Cost TOTAL:					\$ 16,301,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 16,301,000
Engineering/Survey/Testing:		18%	\$ 2,934,180
Mobilization		5%	\$ 815,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,630,100
Impact Fee Project Cost TOTAL:			\$ 21,680,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-20
Name:	Precinct Line (4)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Randol Mill (Existing) to 1815' S of Randol Mill (Existing)			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,815			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	5,243	cy	\$ 38.00	\$ 199,247
230	6" Lime Stabilization (with Lime @ 32#/sy)	10,083	sy	\$ 8.00	\$ 80,667
330	11" Concrete Pavement	9,277	sy	\$ 120.00	\$ 1,113,200
430	6" Curb and Gutter	7,260	lf	\$ 15.00	\$ 108,900
530	4" Topsoil	8,873	sy	\$ 5.00	\$ 44,367
630	10' Concrete Sidewalk	36,300	sf	\$ 10.00	\$ 363,000
728	Auxiliary Lanes and Median Openings Allotment	729	sf	\$ 128.00	\$ 93,280
Paving Construction Cost Subtotal:					\$ 2,002,660
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 60,080
✓	Traffic Control			3%	\$ 60,080
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 40,053
✓	Roadway Drainage			20%	\$ 400,532
✓	Illumination			3%	\$ 53,185
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 140,186
✓	Establish Turf / Erosion Control			1%	\$ 20,027
✓	Basic Landscaping			2%	\$ 40,053
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,814,196
Paving and Allowance Subtotal:					\$ 5,816,856
Construction Contingency:					15% \$ 872,528
Construction Cost TOTAL:					\$ 6,690,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,690,000
Engineering/Survey/Testing:		18%	\$ 1,204,200
Mobilization		5%	\$ 334,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,338,000
Impact Fee Project Cost TOTAL:			\$ 9,567,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/26/2022

Project Information:		Description:	Project No.	M-21
Name:	Cooks (1)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	1815' S of Randol Mill to 690' S of Lowery			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	2,845			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	5,848	cy	\$ 38.00	\$ 222,226
241	6" Lime Stabilization (with Lime @ 32#/sy)	11,380	sy	\$ 8.00	\$ 91,040
341	11" Concrete Pavement	10,748	sy	\$ 120.00	\$ 1,289,733
441	6" Curb and Gutter	5,690	lf	\$ 15.00	\$ 85,350
541	4" Topsoil	8,219	sy	\$ 5.00	\$ 41,094
641	10' Concrete Sidewalk	56,900	sf	\$ 10.00	\$ 569,000
739	Auxiliary Lanes and Median Openings Allotment	485	sf	\$ 128.00	\$ 62,073
Paving Construction Cost Subtotal:					\$ 2,360,517
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 70,815
✓	Traffic Control			3%	\$ 70,815
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 47,210
✓	Roadway Drainage			20%	\$ 472,103
✓	Illumination			3%	\$ 62,689
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 165,236
✓	Establish Turf / Erosion Control			1%	\$ 23,605
✓	Basic Landscaping			2%	\$ 47,210
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 959,685
Paving and Allowance Subtotal:					\$ 3,320,202
Construction Contingency:					15% \$ 498,030
Construction Cost TOTAL:					\$ 3,819,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,819,000
Engineering/Survey/Testing:		18%	\$ 687,420
Mobilization		5%	\$ 190,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 763,800
Impact Fee Project Cost TOTAL:			\$ 5,461,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-22
Name:	Cooks (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	395' N of John T White to 1840' N of John T White			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	1,450			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	2,981	cy	\$ 38.00	\$ 113,261
241	6" Lime Stabilization (with Lime @ 32#/sy)	5,800	sy	\$ 8.00	\$ 46,400
341	11" Concrete Pavement	5,478	sy	\$ 120.00	\$ 657,333
441	6" Curb and Gutter	2,900	lf	\$ 15.00	\$ 43,500
541	4" Topsoil	4,189	sy	\$ 5.00	\$ 20,944
641	10' Concrete Sidewalk	29,000	sf	\$ 10.00	\$ 290,000
739	Auxiliary Lanes and Median Openings Allotment	247	sf	\$ 128.00	\$ 31,636
Paving Construction Cost Subtotal:					\$ 1,203,075
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 36,092
✓	Traffic Control			3%	\$ 36,092
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 24,062
✓	Roadway Drainage			20%	\$ 240,615
✓	Illumination			3%	\$ 31,950
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 84,215
✓	Establish Turf / Erosion Control			1%	\$ 12,031
✓	Basic Landscaping			2%	\$ 24,062
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 489,119
Paving and Allowance Subtotal:					\$ 1,692,194
Construction Contingency:					15% \$ 253,829
Construction Cost TOTAL:					\$ 1,947,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,947,000
Engineering/Survey/Testing:		18%	\$ 350,460
Mobilization		5%	\$ 97,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 194,700
Impact Fee Project Cost TOTAL:			\$ 2,590,000

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-23
Name:	Norwood	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	SH 10 to Railroad			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,250			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	2,708	cy	\$ 38.00	\$ 102,917
239	6" Lime Stabilization (with Lime @ 32#/sy)	5,278	sy	\$ 8.00	\$ 42,222
339	11" Concrete Pavement	5,000	sy	\$ 120.00	\$ 600,000
439	6" Curb and Gutter	2,500	lf	\$ 15.00	\$ 37,500
539	4" Topsoil	3,333	sy	\$ 5.00	\$ 16,667
639	10' Concrete Sidewalk	25,000	sf	\$ 10.00	\$ 250,000
737	Auxiliary Lanes and Median Openings Allotment	213	sf	\$ 128.00	\$ 27,273
Paving Construction Cost Subtotal:					\$ 1,076,578
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 32,297
✓	Traffic Control			3%	\$ 32,297
✓	Pavement Markings/Markers			2%	\$ 21,532
✓	Roadway Drainage	Standard Internal System		20%	\$ 215,316
✓	Illumination			3%	\$ 28,591
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 75,360
✓	Establish Turf / Erosion Control			1%	\$ 10,766
✓	Basic Landscaping			2%	\$ 21,532
✓	Other:	Railroad Crossings x3		\$3,000,000	\$ 3,000,000
Allowance Subtotal:					\$ 3,437,691
Paving and Allowance Subtotal:					\$ 4,514,269
Construction Contingency:					15% \$ 227,140
Construction Cost TOTAL:					\$ 4,742,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,742,000
Engineering/Survey/Testing:		18%	\$ 853,560
Mobilization		5%	\$ 237,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 474,200
Impact Fee Project Cost TOTAL:			\$ 6,307,000

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

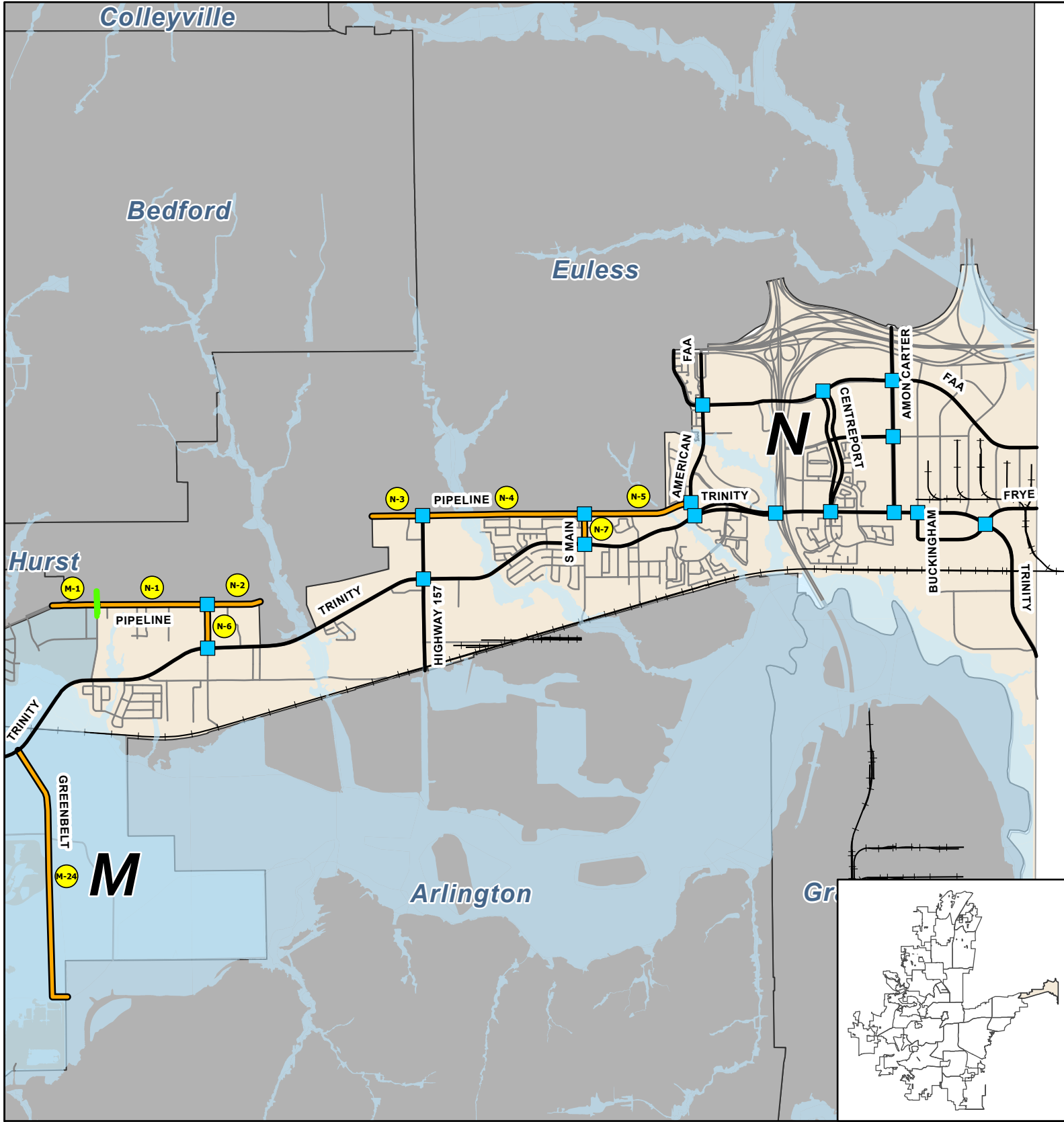
Kimley-Horn and Associates, Inc.
 updated: 5/26/2022

Project Information:		Description:	Project No.	M-24
Name:	Greenbelt	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane undivided commercial connector.		
Limits:	Trinity to 8885' S of Trinity			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	8,885			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	25,668	cy	\$ 38.00	\$ 975,376
230	6" Lime Stabilization (with Lime @ 32#/sy)	49,361	sy	\$ 8.00	\$ 394,889
330	11" Concrete Pavement	45,412	sy	\$ 120.00	\$ 5,449,467
430	6" Curb and Gutter	35,540	lf	\$ 15.00	\$ 533,100
530	4" Topsoil	43,438	sy	\$ 5.00	\$ 217,189
630	10' Concrete Sidewalk	177,700	sf	\$ 10.00	\$ 1,777,000
728	Auxiliary Lanes and Median Openings Allotment	3,567	sf	\$ 128.00	\$ 456,635
Paving Construction Cost Subtotal:					\$ 9,803,655
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 294,110
✓	Traffic Control			3%	\$ 294,110
✓	Pavement Markings/Markers			2%	\$ 196,073
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,960,731
✓	Illumination			3%	\$ 260,359
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 686,256
✓	Establish Turf / Erosion Control			1%	\$ 98,037
✓	Basic Landscaping			2%	\$ 196,073
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 6,985,748
Paving and Allowance Subtotal:					\$ 16,789,403
Construction Contingency:					15% \$ 2,518,410
Construction Cost TOTAL:					\$ 19,308,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 19,308,000
Engineering/Survey/Testing:		18%	\$ 3,475,440
Mobilization		5%	\$ 965,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,930,800
Impact Fee Project Cost TOTAL:			\$ 25,680,000

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.



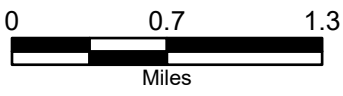
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |



Impact Fee TIP (SA N)

Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area N

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
N-1	CCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (2)	Raider to House Anderson	Widening	100%	\$ 6,727,000	\$ 6,727,000.00
N-2	CCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (3)	House Anderson to 1755' E of House Anderson	Widening	100%	\$ 3,252,000	\$ 3,252,000.00
N-3	NCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (4)	1665' W of FM 157 to FM 157	Widening	100%	\$ 2,973,000	\$ 2,973,000.00
N-4	NCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (5)	FM 157 to S Main	Widening	100%	\$ 12,164,000	\$ 12,164,000.00
N-5	NCO-L1-T0-TWLT-P0-BOP (80)	Pipeline (6)	S Main to American	Widening	100%	\$ 6,638,000	\$ 6,638,000.00
N-6	NCO-L1-T0-TWLT-P0-BOP (80)	House Anderson	Pipeline to Trinity	Widening	100%	\$ 2,571,000	\$ 2,571,000.00
N-7	NCO-L1-T0-TWLT-P0-BOP (80)	S Main	Pipeline to Trinity	Widening	100%	\$ 1,786,000	\$ 1,786,000.00
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	FAA	American	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	FAA	Amon Carter	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	FAA	Centreport	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Pipeline	FM 157	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Pipeline	S. Main	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Pipeline	American	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Pipeline	House Anderson	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Sovereign	Amon Carter	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	SH 360 SBFR	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	House Anderson	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	FM 157	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Buckingham	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Frye	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	S. Main	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	American	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Centreport	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Trinity	Amon Carter	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.
Name:	Pipeline (2)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided commercial connector.	N-1
Limits:	Raider to House Anderson		
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Commercial Connector		
Length (lf):	3,630		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	7,865	cy	\$ 38.00	\$ 298,870
239	6" Lime Stabilization (with Lime @ 32#/sy)	15,327	sy	\$ 8.00	\$ 122,613
339	11" Concrete Pavement	14,520	sy	\$ 120.00	\$ 1,742,400
439	6" Curb and Gutter	7,260	lf	\$ 15.00	\$ 108,900
539	4" Topsoil	9,680	sy	\$ 5.00	\$ 48,400
639	10' Concrete Sidewalk	72,600	sf	\$ 10.00	\$ 726,000
737	Auxiliary Lanes and Median Openings Allotment	619	sf	\$ 128.00	\$ 79,200
Paving Construction Cost Subtotal:					\$ 3,126,383
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 93,792
✓	Traffic Control			3%	\$ 93,792
✓	Pavement Markings/Markers			2%	\$ 62,528
✓	Roadway Drainage	Standard Internal System		20%	\$ 625,277
✓	Illumination			3%	\$ 83,028
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 218,847
✓	Establish Turf / Erosion Control			1%	\$ 31,264
✓	Basic Landscaping			2%	\$ 62,528
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,271,054
Paving and Allowance Subtotal:					\$ 4,397,437
Construction Contingency:					15% \$ 659,616
Construction Cost TOTAL:					\$ 5,058,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,058,000
Engineering/Survey/Testing:		18%	\$ 910,440
Mobilization		5%	\$ 252,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 505,800
Impact Fee Project Cost TOTAL:			\$ 6,727,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	N-2
Name:	Pipeline (3)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided commercial connector.		
Limits:	House Anderson to 1755' E of House Anderson			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,755			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	3,803	cy	\$ 38.00	\$ 144,495
239	6" Lime Stabilization (with Lime @ 32#/sy)	7,410	sy	\$ 8.00	\$ 59,280
339	11" Concrete Pavement	7,020	sy	\$ 120.00	\$ 842,400
439	6" Curb and Gutter	3,510	lf	\$ 15.00	\$ 52,650
539	4" Topsoil	4,680	sy	\$ 5.00	\$ 23,400
639	10' Concrete Sidewalk	35,100	sf	\$ 10.00	\$ 351,000
737	Auxiliary Lanes and Median Openings Allotment	299	sf	\$ 128.00	\$ 38,291
Paving Construction Cost Subtotal:					\$ 1,511,516
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 45,345
✓	Traffic Control			3%	\$ 45,345
✓	Pavement Markings/Markers			2%	\$ 30,230
✓	Roadway Drainage	Standard Internal System		20%	\$ 302,303
✓	Illumination			3%	\$ 40,142
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 105,806
✓	Establish Turf / Erosion Control			1%	\$ 15,115
✓	Basic Landscaping			2%	\$ 30,230
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 614,518
Paving and Allowance Subtotal:					\$ 2,126,034
Construction Contingency:					15% \$ 318,905
Construction Cost TOTAL:					\$ 2,445,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,445,000
Engineering/Survey/Testing:		18%	\$ 440,100
Mobilization		5%	\$ 122,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 244,500
Impact Fee Project Cost TOTAL:			\$ 3,252,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.
Name:	Pipeline (4)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	N-3
Limits:	1665' W of FM 157 to FM 157		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	1,665		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	3,423	cy	\$ 38.00	\$ 130,055
241	6" Lime Stabilization (with Lime @ 32#/sy)	6,660	sy	\$ 8.00	\$ 53,280
341	11" Concrete Pavement	6,290	sy	\$ 120.00	\$ 754,800
441	6" Curb and Gutter	3,330	lf	\$ 15.00	\$ 49,950
541	4" Topsoil	4,810	sy	\$ 5.00	\$ 24,050
641	10' Concrete Sidewalk	33,300	sf	\$ 10.00	\$ 333,000
739	Auxiliary Lanes and Median Openings Allotment	284	sf	\$ 128.00	\$ 36,327
Paving Construction Cost Subtotal:					\$ 1,381,462
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 41,444
✓	Traffic Control			3%	\$ 41,444
✓	Pavement Markings/Markers			2%	\$ 27,629
✓	Roadway Drainage	Standard Internal System		20%	\$ 276,292
✓	Illumination			3%	\$ 36,688
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 96,702
✓	Establish Turf / Erosion Control			1%	\$ 13,815
✓	Basic Landscaping			2%	\$ 27,629
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 561,644
Paving and Allowance Subtotal:					\$ 1,943,106
Construction Contingency:					15% \$ 291,466
Construction Cost TOTAL:					\$ 2,235,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,235,000
Engineering/Survey/Testing:		18%	\$ 402,300
Mobilization		5%	\$ 111,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 223,500
Impact Fee Project Cost TOTAL:			\$ 2,973,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.
Name:	Pipeline (5)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	N-4
Limits:	FM 157 to S Main		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	5,330		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,956	cy	\$ 38.00	\$ 416,332
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,320	sy	\$ 8.00	\$ 170,560
341	11" Concrete Pavement	20,136	sy	\$ 120.00	\$ 2,416,267
441	6" Curb and Gutter	10,660	lf	\$ 15.00	\$ 159,900
541	4" Topsoil	15,398	sy	\$ 5.00	\$ 76,989
641	10' Concrete Sidewalk	106,600	sf	\$ 10.00	\$ 1,066,000
739	Auxiliary Lanes and Median Openings Allotment	909	sf	\$ 128.00	\$ 116,291
Paving Construction Cost Subtotal:					\$ 4,422,339
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 132,670
✓	Traffic Control			3%	\$ 132,670
✓	Pavement Markings/Markers			2%	\$ 88,447
✓	Roadway Drainage	Standard Internal System		20%	\$ 884,468
✓	Illumination			3%	\$ 117,446
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,732,500	\$ 1,732,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 309,564
✓	Establish Turf / Erosion Control			1%	\$ 44,223
✓	Basic Landscaping			2%	\$ 88,447
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,530,434
Paving and Allowance Subtotal:					\$ 7,952,773
Construction Contingency:					15% \$ 1,192,916
Construction Cost TOTAL:					\$ 9,146,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,146,000
Engineering/Survey/Testing:		18%	\$ 1,646,280
Mobilization		5%	\$ 457,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 914,600
Impact Fee Project Cost TOTAL:			\$ 12,164,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.
Name:	Pipeline (6)	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	N-5
Limits:	S Main to American		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	3,570		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	7,338	cy	\$ 38.00	\$ 278,857
241	6" Lime Stabilization (with Lime @ 32#/sy)	14,280	sy	\$ 8.00	\$ 114,240
341	11" Concrete Pavement	13,487	sy	\$ 120.00	\$ 1,618,400
441	6" Curb and Gutter	7,140	lf	\$ 15.00	\$ 107,100
541	4" Topsoil	10,313	sy	\$ 5.00	\$ 51,567
641	10' Concrete Sidewalk	71,400	sf	\$ 10.00	\$ 714,000
739	Auxiliary Lanes and Median Openings Allotment	609	sf	\$ 128.00	\$ 77,891
Paving Construction Cost Subtotal:					\$ 2,962,054
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 88,862
✓	Traffic Control			3%	\$ 88,862
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 59,241
✓	Roadway Drainage			20%	\$ 592,411
✓	Illumination			3%	\$ 78,664
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 173,250	\$ 173,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 207,344
✓	Establish Turf / Erosion Control			1%	\$ 29,621
✓	Basic Landscaping			2%	\$ 59,241
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,377,495
Paving and Allowance Subtotal:					\$ 4,339,549
Construction Contingency:					15% \$ 650,932
Construction Cost TOTAL:					\$ 4,991,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,991,000
Engineering/Survey/Testing:		18%	\$ 898,380
Mobilization		5%	\$ 249,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 499,100
Impact Fee Project Cost TOTAL:			\$ 6,638,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.
Name:	House Anderson	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	N-6
Limits:	Pipeline to Trinity		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	1,440		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	2,960	cy	\$ 38.00	\$ 112,480
241	6" Lime Stabilization (with Lime @ 32#/sy)	5,760	sy	\$ 8.00	\$ 46,080
341	11" Concrete Pavement	5,440	sy	\$ 120.00	\$ 652,800
441	6" Curb and Gutter	2,880	lf	\$ 15.00	\$ 43,200
541	4" Topsoil	4,160	sy	\$ 5.00	\$ 20,800
641	10' Concrete Sidewalk	28,800	sf	\$ 10.00	\$ 288,000
739	Auxiliary Lanes and Median Openings Allotment	245	sf	\$ 128.00	\$ 31,418
Paving Construction Cost Subtotal:					\$ 1,194,778
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 35,843
✓	Traffic Control			3%	\$ 35,843
✓	Pavement Markings/Markers			2%	\$ 23,896
✓	Roadway Drainage	Standard Internal System		20%	\$ 238,956
✓	Illumination			3%	\$ 31,730
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 83,634
✓	Establish Turf / Erosion Control			1%	\$ 11,948
✓	Basic Landscaping			2%	\$ 23,896
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 485,746
Paving and Allowance Subtotal:					\$ 1,680,524
Construction Contingency:					15% \$ 252,079
Construction Cost TOTAL:					\$ 1,933,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,933,000
Engineering/Survey/Testing:		18%	\$ 347,940
Mobilization		5%	\$ 96,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 193,300
Impact Fee Project Cost TOTAL:			\$ 2,571,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

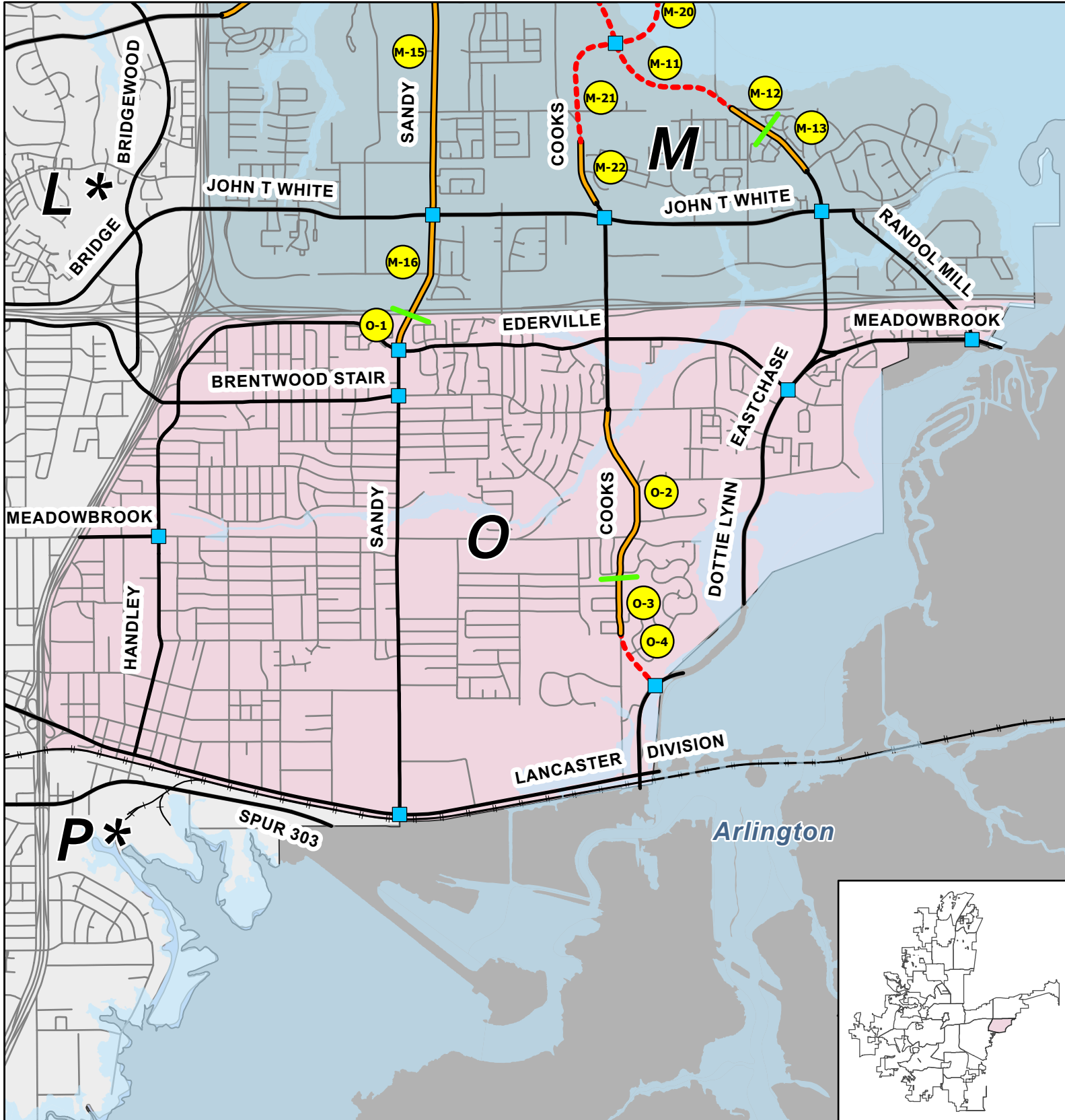
Project Information:		Description:	Project No.
Name:	S Main	This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.	N-7
Limits:	Pipeline to Trinity		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	1,000		
Service Area(s):	M		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	2,056	cy	\$ 38.00	\$ 78,111
241	6" Lime Stabilization (with Lime @ 32#/sy)	4,000	sy	\$ 8.00	\$ 32,000
341	11" Concrete Pavement	3,778	sy	\$ 120.00	\$ 453,333
441	6" Curb and Gutter	2,000	lf	\$ 15.00	\$ 30,000
541	4" Topsoil	2,889	sy	\$ 5.00	\$ 14,444
641	10' Concrete Sidewalk	20,000	sf	\$ 10.00	\$ 200,000
739	Auxiliary Lanes and Median Openings Allotment	170	sf	\$ 128.00	\$ 21,818
Paving Construction Cost Subtotal:					\$ 829,707
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 24,891
✓	Traffic Control			3%	\$ 24,891
✓	Pavement Markings/Markers			2%	\$ 16,594
✓	Roadway Drainage	Standard Internal System		20%	\$ 165,941
✓	Illumination			3%	\$ 22,035
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 58,079
✓	Establish Turf / Erosion Control			1%	\$ 8,297
✓	Basic Landscaping			2%	\$ 16,594
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 337,323
Paving and Allowance Subtotal:					\$ 1,167,031
Construction Contingency:					15% \$ 175,055
Construction Cost TOTAL:					\$ 1,343,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,343,000
Engineering/Survey/Testing:		18%	\$ 241,740
Mobilization		5%	\$ 67,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 134,300
Impact Fee Project Cost TOTAL:			\$ 1,786,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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Legend

Impact Fee Eligible - Median	Local Roads
Impact Fee Eligible - New	Roundabout - Recent
Impact Fee Eligible - Previously Completed	Intersection Improvements
Impact Fee Eligible - Widening	Project Limits
Non-Impact Fee Eligible	Railroad
	Floodplain

Impact Fee TIP (SA O)

FORT WORTH

Transportation Improvements Plan

0 0.5 0.9
Miles

May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area O

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
O-1	NCO-L2-T0-TWLT-P0-BOP (110)	Sandy (4)	IH-30 EB to Ederville	Widening	100%	\$ 2,234,000	\$ 2,234,000
O-2	NCO-L2-T0-NTMS-P0-BOP (110)	Cooks (3)	Brentwood Stair to 140' N of Bermejo	Widening	100%	\$ 10,175,000	\$ 10,175,000
O-3	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Cooks (4)	140' N of Bermejo to Maegen	Widening	100%	\$ 1,510,000	\$ 1,510,000
O-4	NCO-L2-T0-NTMS-P0-BOP (110)	Cooks (5)	Maegen to Dottie Lynn	New	100%	\$ 3,677,000	\$ 3,677,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Brentwood Stair	Sandy	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Dottie Lynn	Cooks	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Ederville	Cooks	Recent	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Ederville	Eastchase	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Ederville	Sandy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Lancaster	Sandy	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Meadowbrook	Handley	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Meadowbrook	Randol Mill	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

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2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		O-1
Name:	Sandy (4)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.			
Limits:	IH-30 EB to Ederville				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	870				
Service Area(s):	M				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,852	cy	\$ 38.00	\$ 108,363
233	6" Lime Stabilization (with Lime @ 32#/sy)	5,607	sy	\$ 8.00	\$ 44,853
333	11" Concrete Pavement	5,413	sy	\$ 120.00	\$ 649,600
433	6" Curb and Gutter	1,740	lf	\$ 15.00	\$ 26,100
533	4" Topsoil	3,287	sy	\$ 5.00	\$ 16,433
633	10' Concrete Sidewalk	17,400	sf	\$ 10.00	\$ 174,000
731	Auxiliary Lanes and Median Openings Allotment	148	sf	\$ 128.00	\$ 18,982
Paving Construction Cost Subtotal:					\$ 1,038,332
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	31,150
✓	Traffic Control		3%	\$	31,150
✓	Pavement Markings/Markers		2%	\$	20,767
✓	Roadway Drainage		20%	\$	207,666
✓	Illumination		3%	\$	27,575
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	72,683
✓	Establish Turf / Erosion Control		1%	\$	10,383
✓	Basic Landscaping		2%	\$	20,767
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 422,141
Paving and Allowance Subtotal:					\$ 1,460,473
Construction Contingency:					15% \$ 219,071
Construction Cost TOTAL:					\$ 1,680,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,680,000
Engineering/Survey/Testing:		18%	\$ 302,400
Mobilization		5%	\$ 84,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 168,000
Impact Fee Project Cost TOTAL:			\$ 2,234,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	O-2
Name:	Cooks (3)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Brentwood Stair to 140' N of Bermejo			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,105			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	11,859	cy	\$ 38.00	\$ 450,638
230	6" Lime Stabilization (with Lime @ 32#/sy)	22,806	sy	\$ 8.00	\$ 182,444
330	11" Concrete Pavement	20,981	sy	\$ 120.00	\$ 2,517,733
430	6" Curb and Gutter	16,420	lf	\$ 15.00	\$ 246,300
530	4" Topsoil	20,069	sy	\$ 5.00	\$ 100,344
630	10' Concrete Sidewalk	82,100	sf	\$ 10.00	\$ 821,000
728	Auxiliary Lanes and Median Openings Allotment	1,648	sf	\$ 128.00	\$ 210,972
Paving Construction Cost Subtotal:					\$ 4,529,432
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 135,883
✓	Traffic Control			3%	\$ 135,883
✓	Pavement Markings/Markers			2%	\$ 90,589
✓	Roadway Drainage	Standard Internal System		20%	\$ 905,886
✓	Illumination			3%	\$ 120,290
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 280,500	\$ 280,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 317,060
✓	Establish Turf / Erosion Control			1%	\$ 45,294
✓	Basic Landscaping			2%	\$ 90,589
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,121,974
Paving and Allowance Subtotal:					\$ 6,651,406
Construction Contingency:					15% \$ 997,711
Construction Cost TOTAL:					\$ 7,650,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,650,000
Engineering/Survey/Testing:		18%	\$ 1,377,000
Mobilization		5%	\$ 382,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 765,000
Impact Fee Project Cost TOTAL:			\$ 10,175,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	O-3
Name:	Cooks (4)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	140' N of Bermejo to Maegen			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,215			
Service Area(s):	M			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	1,755	cy	\$ 38.00	\$ 66,690
231	6" Lime Stabilization (with Lime @ 32#/sy)	3,375	sy	\$ 8.00	\$ 27,000
331	11" Concrete Pavement	3,105	sy	\$ 120.00	\$ 372,600
431	6" Curb and Gutter	2,430	lf	\$ 15.00	\$ 36,450
531	4" Topsoil	2,970	sy	\$ 5.00	\$ 14,850
631	10' Concrete Sidewalk	12,150	sf	\$ 10.00	\$ 121,500
729	Auxiliary Lanes and Median Openings Allotment	488	sf	\$ 128.00	\$ 62,444
Paving Construction Cost Subtotal:					\$ 701,534
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 21,046
✓	Traffic Control			3%	\$ 21,046
✓	Pavement Markings/Markers			2%	\$ 14,031
✓	Roadway Drainage	Standard Internal System		20%	\$ 140,307
✓	Illumination			3%	\$ 18,631
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 49,107
✓	Establish Turf / Erosion Control			1%	\$ 7,015
✓	Basic Landscaping			2%	\$ 14,031
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 285,214
Paving and Allowance Subtotal:					\$ 986,747
Construction Contingency:					15% \$ 148,012
Construction Cost TOTAL:					\$ 1,135,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,135,000
Engineering/Survey/Testing:		18%	\$ 204,300
Mobilization		5%	\$ 56,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 113,500
Impact Fee Project Cost TOTAL:			\$ 1,510,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

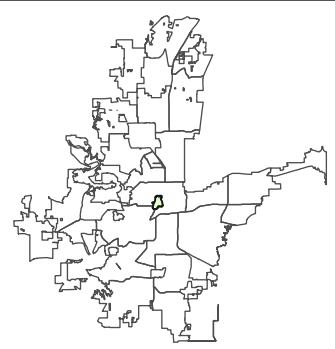
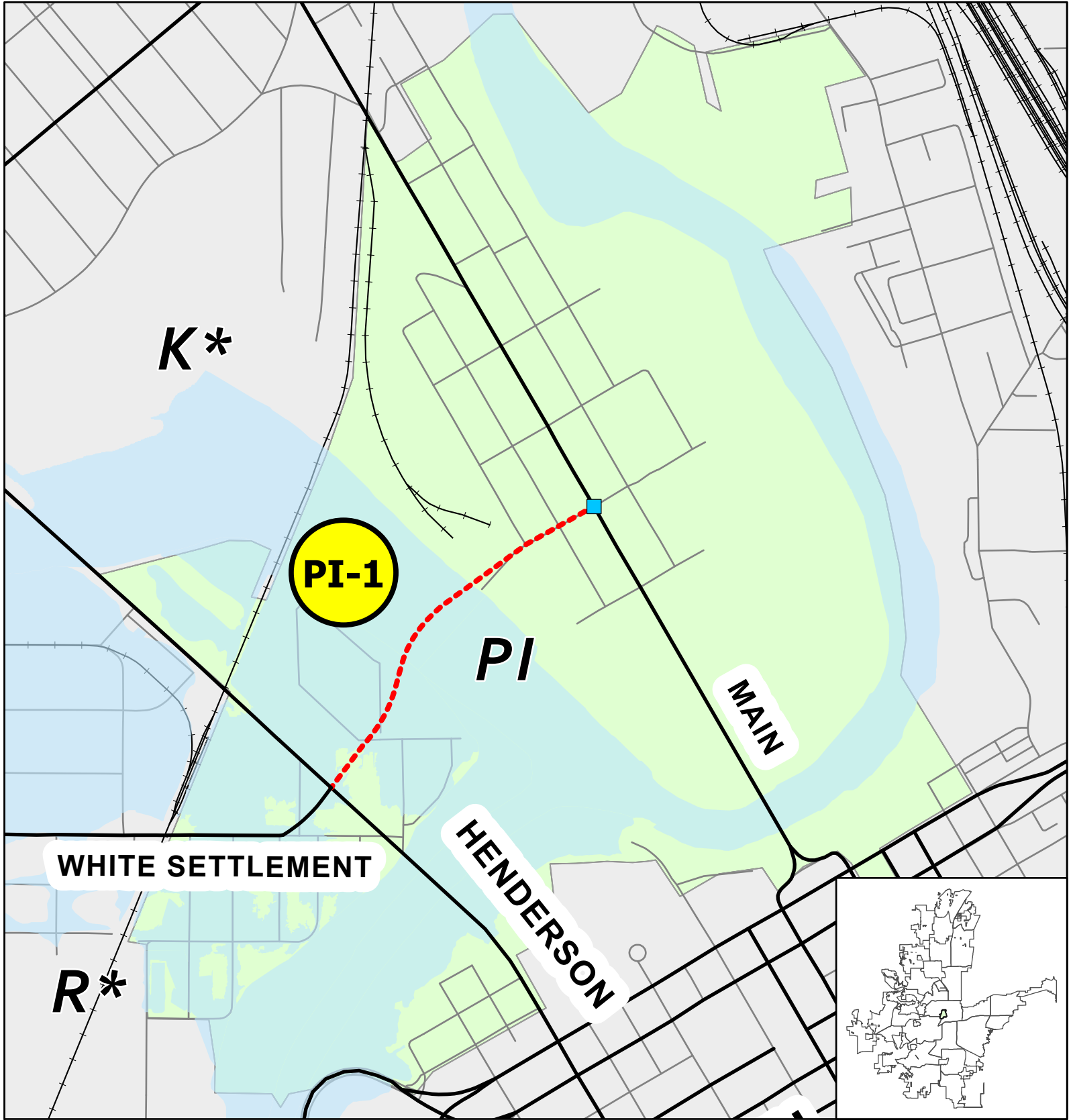
5/27/2022

Project Information:		Description:	Project No.	O-4	
Name:	Cooks (5)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Maegen to Dottie Lynn				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,440				
Service Area(s):	M				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,160	cy	\$ 38.00	\$ 158,080
230	6" Lime Stabilization (with Lime @ 32#/sy)	8,000	sy	\$ 8.00	\$ 64,000
330	11" Concrete Pavement	7,360	sy	\$ 120.00	\$ 883,200
430	6" Curb and Gutter	5,760	lf	\$ 15.00	\$ 86,400
530	4" Topsoil	7,040	sy	\$ 5.00	\$ 35,200
630	10' Concrete Sidewalk	28,800	sf	\$ 10.00	\$ 288,000
728	Auxiliary Lanes and Median Openings Allotment	578	sf	\$ 128.00	\$ 74,007
Paving Construction Cost Subtotal:					\$ 1,588,887
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 47,667
✓	Traffic Control	None Anticipated		3%	\$ 47,667
✓	Pavement Markings/Markers			2%	\$ 31,778
✓	Roadway Drainage	Standard Internal System		20%	\$ 317,777
✓	Illumination			3%	\$ 42,197
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 111,222
✓	Establish Turf / Erosion Control			1%	\$ 15,889
✓	Basic Landscaping			2%	\$ 31,778
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 645,974
Paving and Allowance Subtotal:					\$ 2,234,861
Construction Contingency:					15% \$ 335,229
Construction Cost TOTAL:					\$ 2,571,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,571,000
Engineering/Survey/Testing:		18%	\$ 462,780
Mobilization		5%	\$ 128,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 514,200
Impact Fee Project Cost TOTAL:			\$ 3,677,000

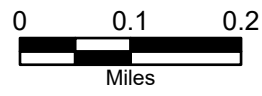
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Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |



June 2022

Impact Fee TIP (SA PI)

Transportation Improvements Plan



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/I Roadway/Intersection Improvements - Service Area PI

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
PI-1	CMU-L2-T0-TWLT-P0-BLC (110)	White Settlement	Henderson to Main	New	100%	\$ 18,569,000	\$ 18,569,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	White Settlement	Main	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

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2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

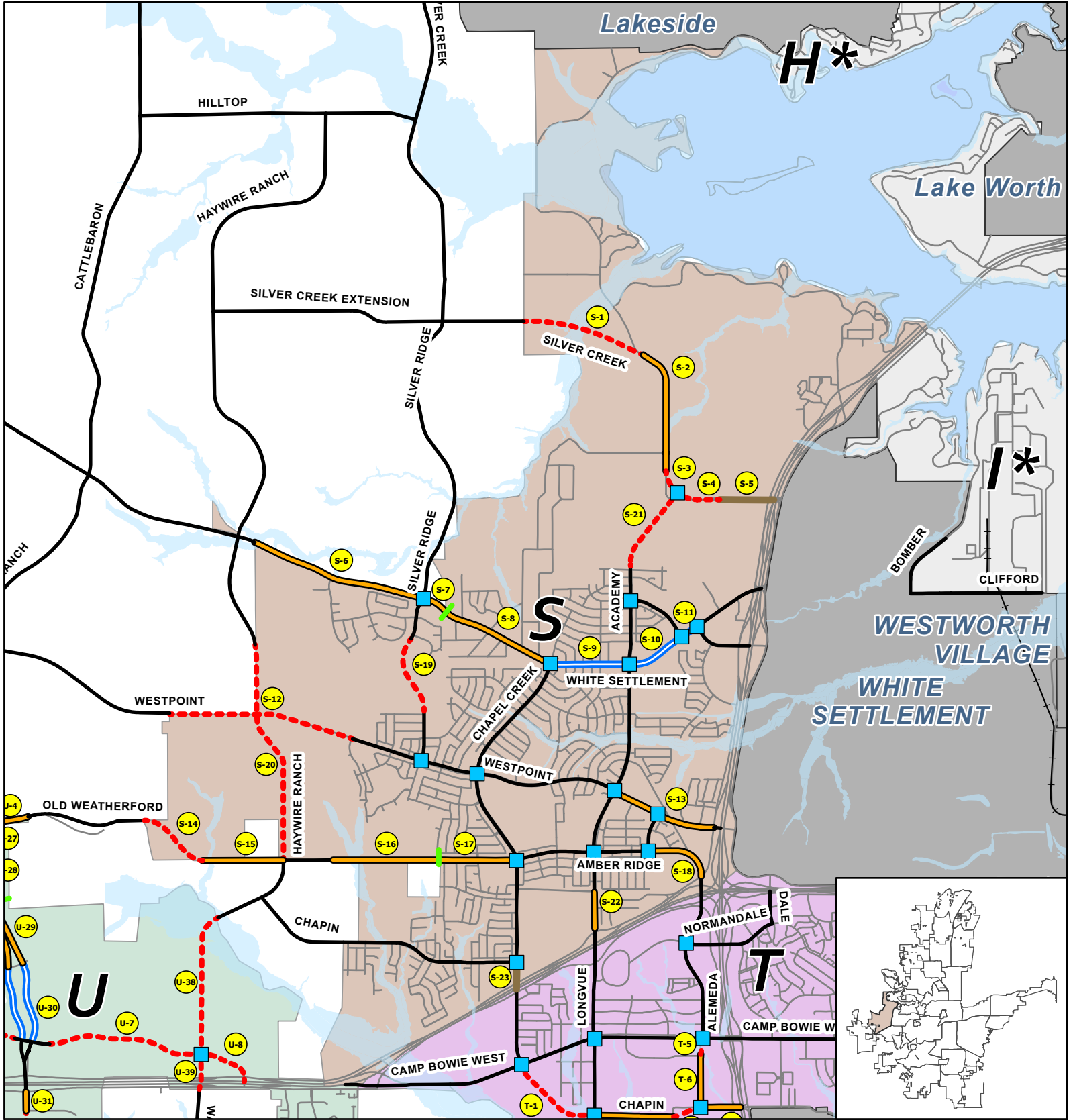
Project Information:		Description:	Project No.	PI-1
Name:	White Settlement	This project consists of the construction of a new five-lane undivided commercial mixed-use street, which includes a bridge structure over the Trinity River.		
Limits:	Henderson to Main			
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)			
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street			
Length (lf):	2,830			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	11,163	cy	\$ 38.00	\$ 424,186
227	6" Lime Stabilization (with Lime @ 32#/sy)	22,011	sy	\$ 8.00	\$ 176,089
327	11" Concrete Pavement	21,382	sy	\$ 120.00	\$ 2,565,867
427	6" Curb and Gutter	5,660	lf	\$ 15.00	\$ 84,900
527	4" Topsoil	9,433	sy	\$ 5.00	\$ 47,167
627	6' Concrete Sidewalk	33,960	sf	\$ 10.00	\$ 339,600
725	Auxiliary Lanes and Median Openings Allotment	482	sf	\$ 128.00	\$ 61,745
Paving Construction Cost Subtotal:					\$ 3,699,553
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 110,987
✓	Traffic Control			3%	\$ 110,987
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 73,991
✓	Roadway Drainage			20%	\$ 739,911
✓	Illumination			3%	\$ 98,250
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 258,969
✓	Establish Turf / Erosion Control			1%	\$ 36,996
✓	Basic Landscaping			2%	\$ 73,991
✓	Other:	Trinity River Crossing		\$7,000,000	\$ 7,000,000
Allowance Subtotal:					\$ 8,504,081
Paving and Allowance Subtotal:					\$ 12,203,634
Construction Contingency:					15% \$ 780,545
Construction Cost TOTAL:					\$ 12,985,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,985,000
Engineering/Survey/Testing:		18%	\$ 2,337,300
Mobilization		5%	\$ 649,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,597,000
Impact Fee Project Cost TOTAL:			\$ 18,569,000

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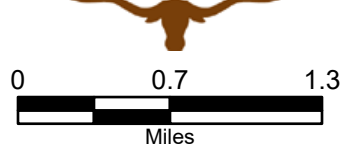


Legend

- Impact Fee Eligible - Median
- Impact Fee Eligible - New
- Impact Fee Eligible - Previously Completed
- Impact Fee Eligible - Widening
- Non-Impact Fee Eligible
- Local Roads
- Roundabout - Recent
- Intersection Improvements
- Project Limits
- Railroad
- Floodplain

Impact Fee TIP (SA S)

FORT WORTH



May 2022

Transportation Improvements Plan



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area S

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
S-1	NCO-L2-T0-NTMS-P0-BOP (110)	Silver Creek (1)	4220' W of Silver Creek (Existing) to Silver Creek (Existing)	New	100%	\$ 14,027,000	\$ 14,027,000
S-2	NCO-L2-T0-NTMS-P0-BOP (110)	Silver Creek (2)	Silver Creek (Future) to 595' S of Verna	Widening	100%	\$ 10,555,000	\$ 10,555,000
S-3	NCO-L2-T0-NTMS-P0-BOP (110)	Silver Creek (3)	595' S of Verna to Academy (Future)	New	100%	\$ 2,158,000	\$ 2,158,000
S-4	NCO-L2-T0-NTMS-P0-BOP (110)	Silver Creek (4)	Academy (Future) to 1465' E of Academy (Future)	New	100%	\$ 3,739,000	\$ 3,739,000
S-5	NCO (E)	Silver Creek (5)	1465' E of Academy (Future) to IH 820	Previous	100%	\$ 1,329,510	\$ 1,329,510
S-6	SYS-L3-T0-NTMS-P0-BLS (130) (W)	White Settlement (2)	600' E of Haywire Ranch to Silver Ridge	Widening	50%	\$ 17,182,000	\$ 8,591,000
S-7	SYS-L3-T0-NTMS-P0-BLS (130) (W)	White Settlement (3)	Silver Ridge to 890' E of Silver Ridge	Widening	50%	\$ 2,320,000	\$ 1,160,000
S-8	SYS-L3-T0-NTMS-P0-BLS (130) (W)	White Settlement (4)	890' E of Silver Ridge to Chapel Creek	Widening	100%	\$ 10,269,000	\$ 10,269,000
S-9	SYS-L3-T0-NTMW-P0-BLS (130) (1/3)	White Settlement (5)	Chapel Creek to Academy	Median	100%	\$ 1,911,000	\$ 1,911,000
S-10	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)	White Settlement (6)	Academy to Legacy	Median	100%	\$ 1,472,000	\$ 1,472,000
S-11	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)	White Settlement (7)	Legacy to White Settlement	Recent	100%	\$ 439,000	\$ 439,000
S-12	NCO-L2-T0-NTMS-P0-BOP (110)	Westpoint (1)	5205' W of Tierra Madre to Tierra Madre	New	100%	\$ 16,055,000	\$ 16,055,000
S-13	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Westpoint (2)	Academy to IH 820 SBFR	Widening	100%	\$ 9,055,000	\$ 9,055,000
S-14	NCO-L2-T0-NTMS-P0-BOP (110)	Old Weatherford (1)	5175' W of Haywire Ranch to 2720' W of Haywire Ranch	New	100%	\$ 6,266,000	\$ 6,266,000
S-15	NCO-L2-T0-NTMS-P0-BOP (110)	Old Weatherford (2)	2720' W of Haywire Ranch to Haywire Ranch	Widening	50%	\$ 6,457,000	\$ 3,228,500
S-16	NCO-L2-T0-NTMS-P0-BOP (110)	Old Weatherford (3)	3510' W of Hickory Bend to 100' E of Hickory Bend	Widening	100%	\$ 10,362,000	\$ 10,362,000
S-17	NCO-L2-T0-NTMS-P0-BOP (110)	Old Weatherford (4)	100' E of Hickory Bend to Chapel Creek	Widening	100%	\$ 6,101,000	\$ 6,101,000
S-18	CCO-L1-T0-TWLT-P0-BOP (80)	Amber Ridge	Settlement Plaza to IH 820 SBFR	Widening	100%	\$ 4,753,000	\$ 4,753,000
S-19	NCO-L2-T0-NTMS-P0-BOP (110)	Silver Ridge	135' S of Broken Arrow to 110' N of Fandor	New	100%	\$ 6,841,000	\$ 6,841,000
S-20	NCO-L2-T0-NTMS-P0-BOP (110)	Haywire Ranch	7535' N of Old Weatherford to Old Weatherford	New	100%	\$ 19,232,000	\$ 19,232,000
S-21	NCO-L2-T0-NTMS-P0-BOP (110)	Academy (1)	Silver Creek (Future) to 125' N of Sparrow Hawk	New	100%	\$ 7,632,000	\$ 7,632,000
S-22	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Academy (2)	Old Weatherford to IH 30 WBFR	Widening	100%	\$ 2,421,000	\$ 2,421,000
S-23	NCO (E)	Chapel Creek	Chapin to IH 30	Previous	100%	\$ 967,698	\$ 967,698
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Amber Ridge	Academy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Old Weatherford	Chapel Creek	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Amber Ridge	Settlement Plaza	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Chapin	Chapel Creek	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Clifford	White Settlement	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Legacy	Academy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Silver Creek	Academy	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Westpoint	Academy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Westpoint	American Flyer	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Westpoint	Chapel Creek	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Westpoint	Settlement Plaza	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	White Settlement	Academy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	White Settlement	Chapel Creek	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	White Settlement	Legacy	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	White Settlement	Silver Ridge	Rebuild	50%	\$ 2,500,000	\$ 1,250,000

NOTES:

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- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	S-1
Name:	Silver Creek (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	4220' W of Silver Creek (Existing) to Silver Creek (Existing)			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,220			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	12,191	cy	\$ 38.00	\$ 463,262
230	6" Lime Stabilization (with Lime @ 32#/sy)	23,444	sy	\$ 8.00	\$ 187,556
330	11" Concrete Pavement	21,569	sy	\$ 120.00	\$ 2,588,267
430	6" Curb and Gutter	16,880	lf	\$ 15.00	\$ 253,200
530	4" Topsoil	20,631	sy	\$ 5.00	\$ 103,156
630	10' Concrete Sidewalk	84,400	sf	\$ 10.00	\$ 844,000
728	Auxiliary Lanes and Median Openings Allotment	1,694	sf	\$ 128.00	\$ 216,882
Paving Construction Cost Subtotal:					\$ 4,656,322
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 139,690
✓	Traffic Control			3%	\$ 139,690
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 93,126
✓	Roadway Drainage			20%	\$ 931,264
✓	Illumination			3%	\$ 123,660
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,980,000	\$ 1,980,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 325,943
✓	Establish Turf / Erosion Control			1%	\$ 46,563
✓	Basic Landscaping			2%	\$ 93,126
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,873,062
Paving and Allowance Subtotal:					\$ 8,529,384
Construction Contingency:					15% \$ 1,279,408
Construction Cost TOTAL:					\$ 9,809,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,809,000
Engineering/Survey/Testing:		18%	\$ 1,765,620
Mobilization		5%	\$ 490,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,961,800
Impact Fee Project Cost TOTAL:			\$ 14,027,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-2
Name:	Silver Creek (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Silver Creek (Future) to 595' S of Verna			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,255			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	12,292	cy	\$ 38.00	\$ 467,104
230	6" Lime Stabilization (with Lime @ 32#/sy)	23,639	sy	\$ 8.00	\$ 189,111
330	11" Concrete Pavement	21,748	sy	\$ 120.00	\$ 2,609,733
430	6" Curb and Gutter	17,020	lf	\$ 15.00	\$ 255,300
530	4" Topsoil	20,802	sy	\$ 5.00	\$ 104,011
630	10' Concrete Sidewalk	85,100	sf	\$ 10.00	\$ 851,000
728	Auxiliary Lanes and Median Openings Allotment	1,708	sf	\$ 128.00	\$ 218,681
Paving Construction Cost Subtotal:					\$ 4,694,941
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 140,848
✓	Traffic Control			3%	\$ 140,848
✓	Pavement Markings/Markers			2%	\$ 93,899
✓	Roadway Drainage	Standard Internal System		20%	\$ 938,988
✓	Illumination			3%	\$ 124,685
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 297,000	\$ 297,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 328,646
✓	Establish Turf / Erosion Control			1%	\$ 46,949
✓	Basic Landscaping			2%	\$ 93,899
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,205,763
Paving and Allowance Subtotal:					\$ 6,900,704
Construction Contingency:					15% \$ 1,035,106
Construction Cost TOTAL:					\$ 7,936,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,936,000
Engineering/Survey/Testing:		18%	\$ 1,428,480
Mobilization		5%	\$ 396,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 793,600
Impact Fee Project Cost TOTAL:			\$ 10,555,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-3	
Name:	Silver Creek (3)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	595' S of Verna to Academy (Future)				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	845				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,441	cy	\$ 38.00	\$ 92,762
230	6" Lime Stabilization (with Lime @ 32#/sy)	4,694	sy	\$ 8.00	\$ 37,556
330	11" Concrete Pavement	4,319	sy	\$ 120.00	\$ 518,267
430	6" Curb and Gutter	3,380	lf	\$ 15.00	\$ 50,700
530	4" Topsoil	4,131	sy	\$ 5.00	\$ 20,656
630	10' Concrete Sidewalk	16,900	sf	\$ 10.00	\$ 169,000
728	Auxiliary Lanes and Median Openings Allotment	339	sf	\$ 128.00	\$ 43,428
Paving Construction Cost Subtotal:					\$ 932,368
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	27,971
✓	Traffic Control		3%	\$	27,971
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	18,647
✓	Roadway Drainage		20%	\$	186,474
✓	Illumination		3%	\$	24,761
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	65,266
✓	Establish Turf / Erosion Control		1%	\$	9,324
✓	Basic Landscaping		2%	\$	18,647
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 379,061
Paving and Allowance Subtotal:					\$ 1,311,429
Construction Contingency:					15% \$ 196,714
Construction Cost TOTAL:					\$ 1,509,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,509,000
Engineering/Survey/Testing:		18%	\$ 271,620
Mobilization		5%	\$ 75,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 301,800
Impact Fee Project Cost TOTAL:			\$ 2,158,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-4
Name:	Silver Creek (4)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Academy (Future) to 1465' E of Academy (Future)			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,465			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,232	cy	\$ 38.00	\$ 160,824
230	6" Lime Stabilization (with Lime @ 32#/sy)	8,139	sy	\$ 8.00	\$ 65,111
330	11" Concrete Pavement	7,488	sy	\$ 120.00	\$ 898,533
430	6" Curb and Gutter	5,860	lf	\$ 15.00	\$ 87,900
530	4" Topsoil	7,162	sy	\$ 5.00	\$ 35,811
630	10' Concrete Sidewalk	29,300	sf	\$ 10.00	\$ 293,000
728	Auxiliary Lanes and Median Openings Allotment	588	sf	\$ 128.00	\$ 75,292
Paving Construction Cost Subtotal:					\$ 1,616,472
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 48,494
✓	Traffic Control			3%	\$ 48,494
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 32,329
✓	Roadway Drainage			20%	\$ 323,294
✓	Illumination			3%	\$ 42,929
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 113,153
✓	Establish Turf / Erosion Control			1%	\$ 16,165
✓	Basic Landscaping			2%	\$ 32,329
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 657,189
Paving and Allowance Subtotal:					\$ 2,273,661
Construction Contingency:					15% \$ 341,049
Construction Cost TOTAL:					\$ 2,615,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,615,000
Engineering/Survey/Testing:		18%	\$ 470,700
Mobilization		5%	\$ 130,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 523,000
Impact Fee Project Cost TOTAL:			\$ 3,739,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	S-5
Name:	Silver Creek (5)	This project consisted of the reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector. The City contributed \$1,329,510 to this project.		
Limits:	1465' E of Academy (Future) to IH 820			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	1,820			
Service Area(s):	S			
Impact Fee Project Cost TOTAL:			\$	1,329,510

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-6
Name:	White Settlement (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided system link with a wide median.		
Limits:	600' E of Haywire Ranch to Silver Ridge			
Impact Fee Class:	SYS-L3-T0-NTMS-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	6,025			
Service Area(s):	S, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
116	Unclassified Street Excavation	25,439	cy	\$ 38.00	\$ 966,678
216	6" Lime Stabilization (with Lime @ 32#/sy)	34,811	sy	\$ 8.00	\$ 278,489
316	11" Concrete Pavement	32,133	sy	\$ 120.00	\$ 3,856,000
416	6" Curb and Gutter	24,100	lf	\$ 15.00	\$ 361,500
516	4" Topsoil	40,167	sy	\$ 5.00	\$ 200,833
616	11' Concrete Sidewalk	132,550	sf	\$ 10.00	\$ 1,325,500
714	Auxiliary Lanes and Median Openings Allotment	2,419	sf	\$ 128.00	\$ 309,648
Paving Construction Cost Subtotal:					\$ 7,298,648
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 218,959
✓	Traffic Control			3%	\$ 218,959
✓	Pavement Markings/Markers			2%	\$ 145,973
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,459,730
✓	Illumination			3%	\$ 193,833
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 967,500	\$ 967,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 510,905
✓	Establish Turf / Erosion Control			1%	\$ 72,986
✓	Basic Landscaping			2%	\$ 145,973
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,934,819
Paving and Allowance Subtotal:					\$ 11,233,468
Construction Contingency:					15% \$ 1,685,020
Construction Cost TOTAL:					\$ 12,919,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,919,000
Engineering/Survey/Testing:		18%	\$ 2,325,420
Mobilization		5%	\$ 645,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,291,900
Impact Fee Project Cost TOTAL:			\$ 17,182,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-7
Name:	White Settlement (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided system link with a wide median.		
Limits:	Silver Ridge to 890' E of Silver Ridge			
Impact Fee Class:	SYS-L3-T0-NTMS-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	890			
Service Area(s):	S, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
116	Unclassified Street Excavation	3,758	cy	\$ 38.00	\$ 142,796
216	6" Lime Stabilization (with Lime @ 32#/sy)	5,142	sy	\$ 8.00	\$ 41,138
316	11" Concrete Pavement	4,747	sy	\$ 120.00	\$ 569,600
416	6" Curb and Gutter	3,560	lf	\$ 15.00	\$ 53,400
516	4" Topsoil	5,933	sy	\$ 5.00	\$ 29,667
616	11' Concrete Sidewalk	19,580	sf	\$ 10.00	\$ 195,800
714	Auxiliary Lanes and Median Openings Allotment	357	sf	\$ 128.00	\$ 45,741
Paving Construction Cost Subtotal:					\$ 1,078,141
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 32,344
✓	Traffic Control			3%	\$ 32,344
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 21,563
✓	Roadway Drainage			20%	\$ 215,628
✓	Illumination			3%	\$ 28,633
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 75,470
✓	Establish Turf / Erosion Control			1%	\$ 10,781
✓	Basic Landscaping			2%	\$ 21,563
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 438,326
Paving and Allowance Subtotal:					\$ 1,516,467
Construction Contingency:					15% \$ 227,470
Construction Cost TOTAL:					\$ 1,744,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,744,000
Engineering/Survey/Testing:		18%	\$ 313,920
Mobilization		5%	\$ 87,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 174,400
Impact Fee Project Cost TOTAL:			\$ 2,320,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-8
Name:	White Settlement (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided system link with a wide median.		
Limits:	890' E of Silver Ridge to Chapel Creek			
Impact Fee Class:	SYS-L3-T0-NTMS-P0-BLS (130) (W)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	3,940			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
116	Unclassified Street Excavation	16,636	cy	\$ 38.00	\$ 632,151
216	6" Lime Stabilization (with Lime @ 32#/sy)	22,764	sy	\$ 8.00	\$ 182,116
316	11" Concrete Pavement	21,013	sy	\$ 120.00	\$ 2,521,600
416	6" Curb and Gutter	15,760	lf	\$ 15.00	\$ 236,400
516	4" Topsoil	26,267	sy	\$ 5.00	\$ 131,333
616	11' Concrete Sidewalk	86,680	sf	\$ 10.00	\$ 866,800
714	Auxiliary Lanes and Median Openings Allotment	1,582	sf	\$ 128.00	\$ 202,492
Paving Construction Cost Subtotal:					\$ 4,772,892
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 143,187
✓	Traffic Control			3%	\$ 143,187
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 95,458
✓	Roadway Drainage			20%	\$ 954,578
✓	Illumination	None Anticipated		3%	\$ 126,755
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 334,102
✓	Establish Turf / Erosion Control			1%	\$ 47,729
✓	Basic Landscaping			2%	\$ 95,458
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,940,454
Paving and Allowance Subtotal:					\$ 6,713,346
Construction Contingency:					15% \$ 1,007,002
Construction Cost TOTAL:					\$ 7,721,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,721,000
Engineering/Survey/Testing:		18%	\$ 1,389,780
Mobilization		5%	\$ 386,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 772,100
Impact Fee Project Cost TOTAL:			\$ 10,269,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-9
Name:	White Settlement (5)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided system link.		
Limits:	Chapel Creek to Academy			
Impact Fee Class:	SYS-L3-T0-NTMW-P0-BLS (130) (1/3)			
Ultimate Class:	6 Lane Divided System Link			
Length (lf):	2,660			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
118	Unclassified Street Excavation	3,842	cy	\$ 38.00	\$ 146,004
218	6" Lime Stabilization (with Lime @ 32#/sy)	7,389	sy	\$ 8.00	\$ 59,111
318	11" Concrete Pavement	6,798	sy	\$ 120.00	\$ 815,733
418	6" Curb and Gutter	5,320	lf	\$ 15.00	\$ 79,800
518	4" Topsoil	0	sy	\$ 5.00	\$ -
618	11' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
716	Auxiliary Lanes and Median Openings Allotment	907	sf	\$ 128.00	\$ 116,073
Paving Construction Cost Subtotal:					\$ 1,216,722
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	36,502
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	36,502
✓	Pavement Markings/Markers		2%	\$	24,334
	Roadway Drainage	None Anticipated	0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
✓	Establish Turf / Erosion Control		1%	\$	12,167
✓	Basic Landscaping		2%	\$	24,334
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 133,839
Paving and Allowance Subtotal:					\$ 1,350,561
Construction Contingency:					15% \$ 202,584
Construction Cost TOTAL:					\$ 1,554,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,554,000
Engineering/Survey/Testing:		18%	\$ 279,720
Mobilization		5%	\$ 77,700
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,911,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-10
Name:	White Settlement (6)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.		
Limits:	Academy to Legacy			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	2,050			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
102	Unclassified Street Excavation	2,961	cy	\$ 38.00	\$ 112,522
202	6" Lime Stabilization (with Lime @ 32#/sy)	5,694	sy	\$ 8.00	\$ 45,556
302	11" Concrete Pavement	5,239	sy	\$ 120.00	\$ 628,667
402	6" Curb and Gutter	4,100	lf	\$ 15.00	\$ 61,500
502	4" Topsoil	0	sy	\$ 5.00	\$ -
602	6' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
701	Auxiliary Lanes and Median Openings Allotment	699	sf	\$ 128.00	\$ 89,455
Paving Construction Cost Subtotal:					\$ 937,699
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 28,131
✓	Traffic Control			3%	\$ 28,131
✓	Pavement Markings/Markers			2%	\$ 18,754
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 9,377
✓	Basic Landscaping			2%	\$ 18,754
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 103,147
Paving and Allowance Subtotal:					\$ 1,040,846
Construction Contingency:					15% \$ 156,127
Construction Cost TOTAL:					\$ 1,197,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,197,000
Engineering/Survey/Testing:		18%	\$ 215,460
Mobilization		5%	\$ 59,850
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,472,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-11	
Name:	White Settlement (7)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided commercial connector.			
Limits:	Legacy to White Settlement				
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BLB (130) (1/3)				
Ultimate Class:	6 Lane Divided Commercial Connector				
Length (lf):	610				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
102	Unclassified Street Excavation	881	cy	\$ 38.00	\$ 33,482
202	6" Lime Stabilization (with Lime @ 32#/sy)	1,694	sy	\$ 8.00	\$ 13,556
302	11" Concrete Pavement	1,559	sy	\$ 120.00	\$ 187,067
402	6" Curb and Gutter	1,220	lf	\$ 15.00	\$ 18,300
502	4" Topsoil	0	sy	\$ 5.00	\$ -
602	6' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
701	Auxiliary Lanes and Median Openings Allotment	208	sf	\$ 128.00	\$ 26,618
Paving Construction Cost Subtotal:					\$ 279,023
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	8,371
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	8,371
✓	Pavement Markings/Markers		2%	\$	5,580
	Roadway Drainage	None Anticipated	0%	\$	-
	Illumination	None Anticipated	0%	\$	-
	Special Drainage Structures	None Anticipated	\$ -	\$	-
	Water/Sewer	None Anticipated	0%	\$	-
✓	Establish Turf / Erosion Control		1%	\$	2,790
✓	Basic Landscaping		2%	\$	5,580
	Other:		\$0	\$	-
Allowance Subtotal:				\$	30,692
Paving and Allowance Subtotal:				\$	309,715
Construction Contingency:				15%	\$ 46,457
Construction Cost TOTAL:				\$	357,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 357,000
Engineering/Survey/Testing:		18%	\$ 64,260
Mobilization		5%	\$ 17,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 439,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-12
Name:	Westpoint (1)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	5205' W of Tierra Madre to Tierra Madre				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	6,290				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	18,171	cy	\$ 38.00	\$ 690,502
230	6" Lime Stabilization (with Lime @ 32#/sy)	34,944	sy	\$ 8.00	\$ 279,556
330	11" Concrete Pavement	32,149	sy	\$ 120.00	\$ 3,857,867
430	6" Curb and Gutter	25,160	lf	\$ 15.00	\$ 377,400
530	4" Topsoil	30,751	sy	\$ 5.00	\$ 153,756
630	10' Concrete Sidewalk	125,800	sf	\$ 10.00	\$ 1,258,000
728	Auxiliary Lanes and Median Openings Allotment	2,526	sf	\$ 128.00	\$ 323,268
Paving Construction Cost Subtotal:					\$ 6,940,348
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 208,210
✓	Traffic Control	None Anticipated		3%	\$ 208,210
✓	Pavement Markings/Markers			2%	\$ 138,807
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,388,070
✓	Illumination			3%	\$ 184,317
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 485,824
✓	Establish Turf / Erosion Control			1%	\$ 69,403
✓	Basic Landscaping			2%	\$ 138,807
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,821,649
Paving and Allowance Subtotal:					\$ 9,761,997
Construction Contingency:					15% \$ 1,464,300
Construction Cost TOTAL:					\$ 11,227,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,227,000
Engineering/Survey/Testing:		18%	\$ 2,020,860
Mobilization		5%	\$ 561,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,245,400
Impact Fee Project Cost TOTAL:			\$ 16,055,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-13
Name:	Westpoint (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector with a wide median.			
Limits:	Academy to IH 820 SBFR				
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)				
Ultimate Class:	6 Lane Divided Neighborhood Connector				
Length (lf):	3,625				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	14,903	cy	\$ 38.00	\$ 566,306
213	6" Lime Stabilization (with Lime @ 32#/sy)	20,139	sy	\$ 8.00	\$ 161,111
313	11" Concrete Pavement	18,528	sy	\$ 120.00	\$ 2,223,333
413	6" Curb and Gutter	14,500	lf	\$ 15.00	\$ 217,500
513	4" Topsoil	25,778	sy	\$ 5.00	\$ 128,889
613	10' Concrete Sidewalk	72,500	sf	\$ 10.00	\$ 725,000
711	Auxiliary Lanes and Median Openings Allotment	1,455	sf	\$ 128.00	\$ 186,303
Paving Construction Cost Subtotal:					\$ 4,208,442
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	126,253
✓	Traffic Control		3%	\$	126,253
✓	Pavement Markings/Markers		2%	\$	84,169
✓	Roadway Drainage	Standard Internal System	20%	\$	841,688
✓	Illumination		3%	\$	111,765
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	294,591
✓	Establish Turf / Erosion Control		1%	\$	42,084
✓	Basic Landscaping		2%	\$	84,169
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,710,973
Paving and Allowance Subtotal:					\$ 5,919,415
Construction Contingency:					15% \$ 887,912
Construction Cost TOTAL:					\$ 6,808,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,808,000
Engineering/Survey/Testing:		18%	\$ 1,225,440
Mobilization		5%	\$ 340,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 680,800
Impact Fee Project Cost TOTAL:			\$ 9,055,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-14
Name:	Old Weatherford (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	5175' W of Haywire Ranch to 2720' W of Haywire Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,455			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,092	cy	\$ 38.00	\$ 269,504
230	6" Lime Stabilization (with Lime @ 32#/sy)	13,639	sy	\$ 8.00	\$ 109,111
330	11" Concrete Pavement	12,548	sy	\$ 120.00	\$ 1,505,733
430	6" Curb and Gutter	9,820	lf	\$ 15.00	\$ 147,300
530	4" Topsoil	12,002	sy	\$ 5.00	\$ 60,011
630	10' Concrete Sidewalk	49,100	sf	\$ 10.00	\$ 491,000
728	Auxiliary Lanes and Median Openings Allotment	986	sf	\$ 128.00	\$ 126,172
Paving Construction Cost Subtotal:					\$ 2,708,832
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 81,265
✓	Traffic Control			3%	\$ 81,265
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 54,177
✓	Roadway Drainage			20%	\$ 541,766
✓	Illumination			3%	\$ 71,939
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 189,618
✓	Establish Turf / Erosion Control			1%	\$ 27,088
✓	Basic Landscaping			2%	\$ 54,177
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,101,296
Paving and Allowance Subtotal:					\$ 3,810,128
Construction Contingency:					15% \$ 571,519
Construction Cost TOTAL:					\$ 4,382,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,382,000
Engineering/Survey/Testing:		18%	\$ 788,760
Mobilization		5%	\$ 219,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 876,400
Impact Fee Project Cost TOTAL:			\$ 6,266,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-15
Name:	Old Weatherford (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	2720' W of Haywire Ranch to Haywire Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,720			
Service Area(s):	S, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,858	cy	\$ 38.00	\$ 298,596
230	6" Lime Stabilization (with Lime @ 32#/sy)	15,111	sy	\$ 8.00	\$ 120,889
330	11" Concrete Pavement	13,902	sy	\$ 120.00	\$ 1,668,267
430	6" Curb and Gutter	10,880	lf	\$ 15.00	\$ 163,200
530	4" Topsoil	13,298	sy	\$ 5.00	\$ 66,489
630	10' Concrete Sidewalk	54,400	sf	\$ 10.00	\$ 544,000
728	Auxiliary Lanes and Median Openings Allotment	1,092	sf	\$ 128.00	\$ 139,792
Paving Construction Cost Subtotal:					\$ 3,001,232
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	90,037
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	90,037
✓	Pavement Markings/Markers		2%	\$	60,025
✓	Roadway Drainage	Standard Internal System	20%	\$	600,246
✓	Illumination		3%	\$	79,705
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	210,086
✓	Establish Turf / Erosion Control		1%	\$	30,012
✓	Basic Landscaping		2%	\$	60,025
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,220,173
Paving and Allowance Subtotal:					\$ 4,221,404
Construction Contingency:					15% \$ 633,211
Construction Cost TOTAL:					\$ 4,855,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,855,000
Engineering/Survey/Testing:		18%	\$ 873,900
Mobilization		5%	\$ 242,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 485,500
Impact Fee Project Cost TOTAL:			\$ 6,457,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-16
Name:	Old Weatherford (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	3510' W of Hickory Bend to 100' E of Hickory Bend			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,610			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,429	cy	\$ 38.00	\$ 396,298
230	6" Lime Stabilization (with Lime @ 32#/sy)	20,056	sy	\$ 8.00	\$ 160,444
330	11" Concrete Pavement	18,451	sy	\$ 120.00	\$ 2,214,133
430	6" Curb and Gutter	14,440	lf	\$ 15.00	\$ 216,600
530	4" Topsoil	17,649	sy	\$ 5.00	\$ 88,244
630	10' Concrete Sidewalk	72,200	sf	\$ 10.00	\$ 722,000
728	Auxiliary Lanes and Median Openings Allotment	1,449	sf	\$ 128.00	\$ 185,532
Paving Construction Cost Subtotal:					\$ 3,983,252
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 119,498
✓	Traffic Control			3%	\$ 119,498
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 79,665
✓	Roadway Drainage			20%	\$ 796,650
✓	Illumination			3%	\$ 105,785
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,171,500	\$ 1,171,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 278,828
✓	Establish Turf / Erosion Control			1%	\$ 39,833
✓	Basic Landscaping			2%	\$ 79,665
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,790,920
Paving and Allowance Subtotal:					\$ 6,774,172
Construction Contingency:					15% \$ 1,016,126
Construction Cost TOTAL:					\$ 7,791,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,791,000
Engineering/Survey/Testing:		18%	\$ 1,402,380
Mobilization		5%	\$ 389,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 779,100
Impact Fee Project Cost TOTAL:			\$ 10,362,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-17
Name:	Old Weatherford (4)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	100' E of Hickory Bend to Chapel Creek				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,570				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,424	cy	\$ 38.00	\$ 282,129
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,278	sy	\$ 8.00	\$ 114,222
330	11" Concrete Pavement	13,136	sy	\$ 120.00	\$ 1,576,267
430	6" Curb and Gutter	10,280	lf	\$ 15.00	\$ 154,200
530	4" Topsoil	12,564	sy	\$ 5.00	\$ 62,822
630	10' Concrete Sidewalk	51,400	sf	\$ 10.00	\$ 514,000
728	Auxiliary Lanes and Median Openings Allotment	1,032	sf	\$ 128.00	\$ 132,082
Paving Construction Cost Subtotal:					\$ 2,835,722
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 85,072
✓	Traffic Control	Construction Phase Traffic Control		3%	\$ 85,072
✓	Pavement Markings/Markers			2%	\$ 56,714
✓	Roadway Drainage	Standard Internal System		20%	\$ 567,144
✓	Illumination			3%	\$ 75,309
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 198,501
✓	Establish Turf / Erosion Control			1%	\$ 28,357
✓	Basic Landscaping			2%	\$ 56,714
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,152,884
Paving and Allowance Subtotal:					\$ 3,988,606
Construction Contingency:					15% \$ 598,291
Construction Cost TOTAL:					\$ 4,587,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,587,000
Engineering/Survey/Testing:		18%	\$ 825,660
Mobilization		5%	\$ 229,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 458,700
Impact Fee Project Cost TOTAL:			\$ 6,101,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-18
Name:	Amber Ridge	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.			
Limits:	Settlement Plaza to IH 820 SBFR				
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Commercial Connector				
Length (lf):	2,565				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	5,558	cy	\$ 38.00	\$ 211,185
239	6" Lime Stabilization (with Lime @ 32#/sy)	10,830	sy	\$ 8.00	\$ 86,640
339	11" Concrete Pavement	10,260	sy	\$ 120.00	\$ 1,231,200
439	6" Curb and Gutter	5,130	lf	\$ 15.00	\$ 76,950
539	4" Topsoil	6,840	sy	\$ 5.00	\$ 34,200
639	10' Concrete Sidewalk	51,300	sf	\$ 10.00	\$ 513,000
737	Auxiliary Lanes and Median Openings Allotment	437	sf	\$ 128.00	\$ 55,964
Paving Construction Cost Subtotal:					\$ 2,209,139
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	66,274
✓	Traffic Control		3%	\$	66,274
✓	Pavement Markings/Markers		2%	\$	44,183
✓	Roadway Drainage	Standard Internal System	20%	\$	441,828
✓	Illumination		3%	\$	58,669
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	154,640
✓	Establish Turf / Erosion Control		1%	\$	22,091
✓	Basic Landscaping		2%	\$	44,183
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 898,142
Paving and Allowance Subtotal:					\$ 3,107,280
Construction Contingency:					15% \$ 466,092
Construction Cost TOTAL:					\$ 3,574,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,574,000
Engineering/Survey/Testing:		18%	\$ 643,320
Mobilization		5%	\$ 178,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 357,400
Impact Fee Project Cost TOTAL:			\$ 4,753,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-19
Name:	Silver Ridge	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	135' S of Broken Arrow to 110' N of Fandor			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,680			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,742	cy	\$ 38.00	\$ 294,204
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,889	sy	\$ 8.00	\$ 119,111
330	11" Concrete Pavement	13,698	sy	\$ 120.00	\$ 1,643,733
430	6" Curb and Gutter	10,720	lf	\$ 15.00	\$ 160,800
530	4" Topsoil	13,102	sy	\$ 5.00	\$ 65,511
630	10' Concrete Sidewalk	53,600	sf	\$ 10.00	\$ 536,000
728	Auxiliary Lanes and Median Openings Allotment	1,076	sf	\$ 128.00	\$ 137,736
Paving Construction Cost Subtotal:					\$ 2,957,096
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 88,713
✓	Traffic Control			3%	\$ 88,713
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 59,142
✓	Roadway Drainage			20%	\$ 591,419
✓	Illumination			3%	\$ 78,533
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 206,997
✓	Establish Turf / Erosion Control			1%	\$ 29,571
✓	Basic Landscaping			2%	\$ 59,142
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,202,229
Paving and Allowance Subtotal:					\$ 4,159,325
Construction Contingency:					15% \$ 623,899
Construction Cost TOTAL:					\$ 4,784,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,784,000
Engineering/Survey/Testing:		18%	\$ 861,120
Mobilization		5%	\$ 239,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 956,800
Impact Fee Project Cost TOTAL:			\$ 6,841,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-20
Name:	Haywire Ranch		This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	7535' N of Old Weatherford to Old Weatherford				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	7,535				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	21,768	cy	\$ 38.00	\$ 827,176
230	6" Lime Stabilization (with Lime @ 32#/sy)	41,861	sy	\$ 8.00	\$ 334,889
330	11" Concrete Pavement	38,512	sy	\$ 120.00	\$ 4,621,467
430	6" Curb and Gutter	30,140	lf	\$ 15.00	\$ 452,100
530	4" Topsoil	36,838	sy	\$ 5.00	\$ 184,189
630	10' Concrete Sidewalk	150,700	sf	\$ 10.00	\$ 1,507,000
728	Auxiliary Lanes and Median Openings Allotment	3,025	sf	\$ 128.00	\$ 387,253
Paving Construction Cost Subtotal:					\$ 8,314,073
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	249,422
✓	Traffic Control		3%	\$	249,422
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	166,281
✓	Roadway Drainage		20%	\$	1,662,815
✓	Illumination		3%	\$	220,800
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	581,985
✓	Establish Turf / Erosion Control		1%	\$	83,141
✓	Basic Landscaping		2%	\$	166,281
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 3,380,147
Paving and Allowance Subtotal:					\$ 11,694,221
Construction Contingency:					15% \$ 1,754,133
Construction Cost TOTAL:					\$ 13,449,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,449,000
Engineering/Survey/Testing:		18%	\$ 2,420,820
Mobilization		5%	\$ 672,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,689,800
Impact Fee Project Cost TOTAL:			\$ 19,232,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	S-21
Name:	Academy (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Silver Creek (Future) to 125' N of Sparrow Hawk			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,990			
Service Area(s):	S			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	8,638	cy	\$ 38.00	\$ 328,236
230	6" Lime Stabilization (with Lime @ 32#/sy)	16,611	sy	\$ 8.00	\$ 132,889
330	11" Concrete Pavement	15,282	sy	\$ 120.00	\$ 1,833,867
430	6" Curb and Gutter	11,960	lf	\$ 15.00	\$ 179,400
530	4" Topsoil	14,618	sy	\$ 5.00	\$ 73,089
630	10' Concrete Sidewalk	59,800	sf	\$ 10.00	\$ 598,000
728	Auxiliary Lanes and Median Openings Allotment	1,201	sf	\$ 128.00	\$ 153,668
Paving Construction Cost Subtotal:					\$ 3,299,148
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 98,974
✓	Traffic Control			3%	\$ 98,974
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 65,983
✓	Roadway Drainage			20%	\$ 659,830
✓	Illumination			3%	\$ 87,617
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 230,940
✓	Establish Turf / Erosion Control			1%	\$ 32,991
✓	Basic Landscaping			2%	\$ 65,983
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,341,293
Paving and Allowance Subtotal:					\$ 4,640,441
Construction Contingency:					15% \$ 696,066
Construction Cost TOTAL:					\$ 5,337,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,337,000
Engineering/Survey/Testing:		18%	\$ 960,660
Mobilization		5%	\$ 266,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,067,400
Impact Fee Project Cost TOTAL:			\$ 7,632,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		S-22
Name:	Academy (2)		This project consists of the widening and construction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	Old Weatherford to IH 30 WBFR				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,220				
Service Area(s):	S				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,830	cy	\$ 38.00	\$ 69,540
224	6" Lime Stabilization (with Lime @ 32#/sy)	3,524	sy	\$ 8.00	\$ 28,196
324	11" Concrete Pavement	3,253	sy	\$ 120.00	\$ 390,400
424	6" Curb and Gutter	2,440	lf	\$ 15.00	\$ 36,600
524	4" Topsoil	2,847	sy	\$ 5.00	\$ 14,233
624	10' Concrete Sidewalk	12,200	sf	\$ 10.00	\$ 122,000
722	Auxiliary Lanes and Median Openings Allotment	490	sf	\$ 128.00	\$ 62,701
Paving Construction Cost Subtotal:					\$ 723,669
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	21,710
✓	Traffic Control		3%	\$	21,710
✓	Pavement Markings/Markers		2%	\$	14,473
✓	Roadway Drainage	Standard Internal System	20%	\$	144,734
✓	Illumination		3%	\$	19,219
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	50,657
✓	Establish Turf / Erosion Control		1%	\$	7,237
✓	Basic Landscaping		2%	\$	14,473
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 294,213
Paving and Allowance Subtotal:					\$ 1,017,883
Construction Contingency:					15% \$ 152,682
Construction Cost TOTAL:					\$ 1,171,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,171,000
Engineering/Survey/Testing:		18%	\$ 210,780
Mobilization		5%	\$ 58,550
Previous City contribution	Developer PPP		\$ 863,181
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 117,100
Impact Fee Project Cost TOTAL:			\$ 2,421,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

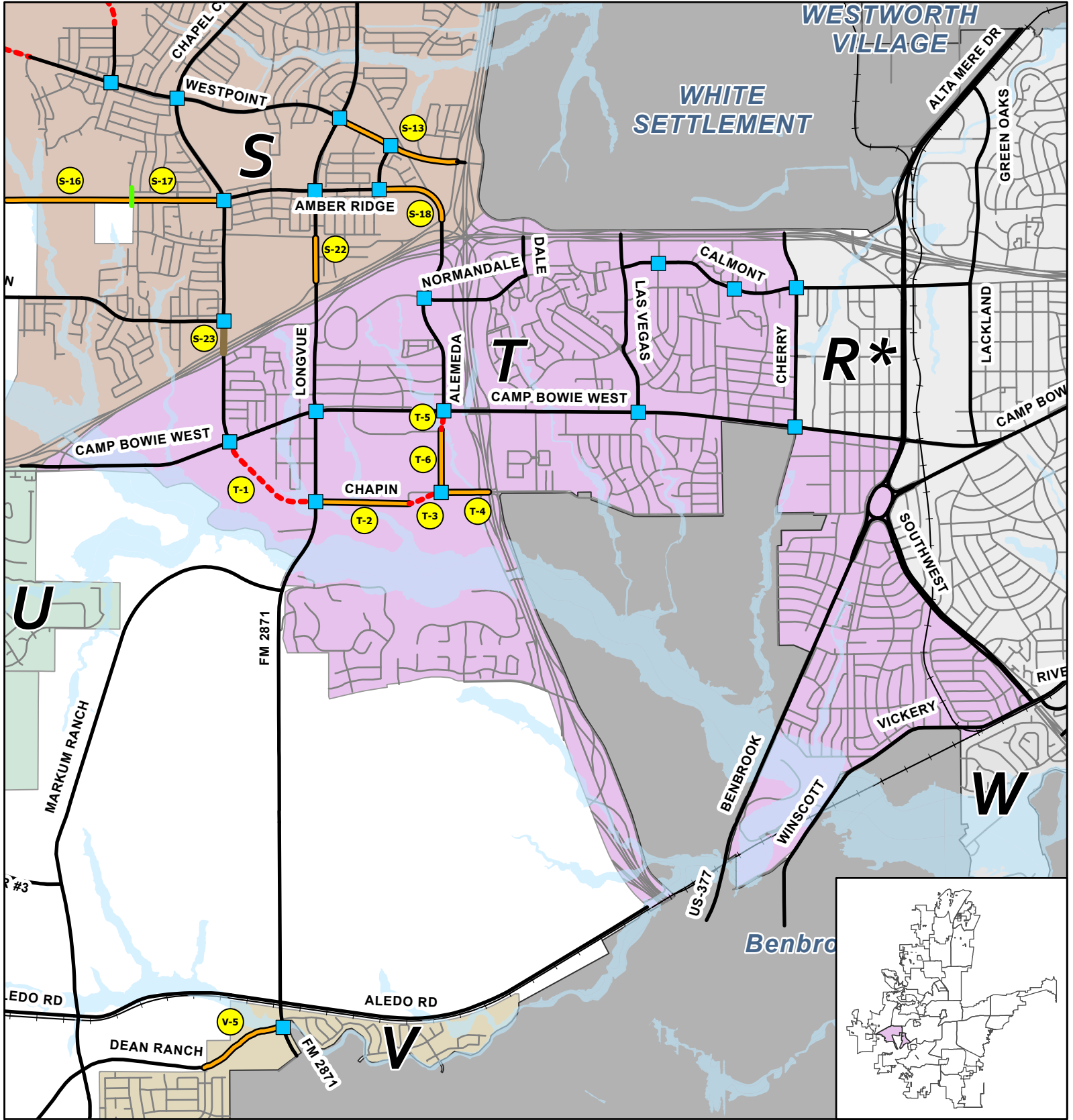
The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	S-23
Name:	Chapel Creek	This project consists of the previously completed four-lane divided neighborhood connector. The City contributed \$967,698 to this project.		
Limits:	Chapin to IH 30			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	905			
Service Area(s):	S			
Impact Fee Project Cost TOTAL:			\$	967,698

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.



Legend

Impact Fee Eligible - Median

Impact Fee Eligible - New

Impact Fee Eligible - Previously Completed

Impact Fee Eligible - Widening

Non-Impact Fee Eligible

Local Roads

Roundabout - Recent

Intersection Improvements


Project Limits

Railroad

Floodplain

Impact Fee TIP (SA T)

FORT WORTH




0 0.6 1.1

Miles

May 2022

Transportation Improvements Plan



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area T

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
T-1	NCO-L1-T0-TWLT-P0-BOP (80)	Chapin (1)	Camp Bowie to Longvue	New	100%	\$ 10,036,000	\$ 10,036,000
T-2	NCO-L2-T0-NTMS-P0-BOP (110)	Chapin (2)	Longvue to 965' W of Alemeda	Widening	100%	\$ 8,497,000	\$ 8,497,000
T-3	NCO-L2-T0-NTMS-P0-BOP (110)	Chapin (3)	965' W of Alemeda to Alemeda	New	100%	\$ 2,464,000	\$ 2,464,000
T-4	CCO-L2-T0-TWLT-P0-BOP (110)	Chapin (4)	Alemeda to IH 820	Widening	100%	\$ 3,546,000	\$ 3,546,000
T-5	CCO-L1-T0-TWLT-P0-BOP (80)	Alemeda (1)	Camp Bowie West to 545' S of Camp Bowie West	New	100%	\$ 2,285,000	\$ 2,285,000
T-6	CCO-L1-T0-TWLT-P0-BOP (80)	Alemeda (2)	545' S of Camp Bowie West to Chapin	Widening	100%	\$ 3,308,000	\$ 3,308,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Calmont	Cherry	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Calmont	Shenandoah Rd	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Calmont	Laredo Dr	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Camp Bowie West	Alameda	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Camp Bowie West	Chapel Creek	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Camp Bowie West	Cherry	Retrofit	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Camp Bowie West	Las Vegas	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Camp Bowie West	Longvue	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Chapin	Alemeda	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Chapin	Longvue	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Normandale	Alameda	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	T-1
Name:	Chapin (1)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Camp Bowie to Longvue			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	3,200			
Service Area(s):	T			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	6,578	cy	\$ 38.00	\$ 249,956
241	6" Lime Stabilization (with Lime @ 32#/sy)	12,800	sy	\$ 8.00	\$ 102,400
341	11" Concrete Pavement	12,089	sy	\$ 120.00	\$ 1,450,667
441	6" Curb and Gutter	6,400	lf	\$ 15.00	\$ 96,000
541	4" Topsoil	9,244	sy	\$ 5.00	\$ 46,222
641	10' Concrete Sidewalk	64,000	sf	\$ 10.00	\$ 640,000
739	Auxiliary Lanes and Median Openings Allotment	545	sf	\$ 128.00	\$ 69,818
Paving Construction Cost Subtotal:					\$ 2,655,063
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 79,652
✓	Traffic Control			3%	\$ 79,652
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 53,101
✓	Roadway Drainage			20%	\$ 531,013
✓	Illumination			3%	\$ 70,511
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,367,750	\$ 2,367,750
✓	Water/Sewer	Minor Adjustments		7%	\$ 185,854
✓	Establish Turf / Erosion Control			1%	\$ 26,551
✓	Basic Landscaping			2%	\$ 53,101
	Other:			\$0	-
Allowance Subtotal:					\$ 3,447,185
Paving and Allowance Subtotal:					\$ 6,102,248
Construction Contingency:					15% \$ 915,337
Construction Cost TOTAL:					\$ 7,018,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,018,000
Engineering/Survey/Testing:		18%	\$ 1,263,240
Mobilization		5%	\$ 350,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,403,600
Impact Fee Project Cost TOTAL:			\$ 10,036,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		T-2
Name:	Chapin (2)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Longvue to 965' W of Alameda				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,665				
Service Area(s):	T				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,699	cy	\$ 38.00	\$ 292,558
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,806	sy	\$ 8.00	\$ 118,444
330	11" Concrete Pavement	13,621	sy	\$ 120.00	\$ 1,634,533
430	6" Curb and Gutter	10,660	lf	\$ 15.00	\$ 159,900
530	4" Topsoil	13,029	sy	\$ 5.00	\$ 65,144
630	10' Concrete Sidewalk	53,300	sf	\$ 10.00	\$ 533,000
728	Auxiliary Lanes and Median Openings Allotment	1,070	sf	\$ 128.00	\$ 136,965
Paving Construction Cost Subtotal:					\$ 2,940,545
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 88,216
✓	Traffic Control	Construction Phase Traffic Control		3%	\$ 88,216
✓	Pavement Markings/Markers			2%	\$ 58,811
✓	Roadway Drainage	Standard Internal System		20%	\$ 588,109
✓	Illumination			3%	\$ 78,093
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,419,000	\$ 1,419,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 205,838
✓	Establish Turf / Erosion Control			1%	\$ 29,405
✓	Basic Landscaping			2%	\$ 58,811
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,614,500
Paving and Allowance Subtotal:					\$ 5,555,045
Construction Contingency:					15% \$ 833,257
Construction Cost TOTAL:					\$ 6,389,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,389,000
Engineering/Survey/Testing:		18%	\$ 1,150,020
Mobilization		5%	\$ 319,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 638,900
Impact Fee Project Cost TOTAL:			\$ 8,497,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	T-3	
Name:	Chapin (3)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	965' W of Alameda to Alameda				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	965				
Service Area(s):	T				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,788	cy	\$ 38.00	\$ 105,936
230	6" Lime Stabilization (with Lime @ 32#/sy)	5,361	sy	\$ 8.00	\$ 42,889
330	11" Concrete Pavement	4,932	sy	\$ 120.00	\$ 591,867
430	6" Curb and Gutter	3,860	lf	\$ 15.00	\$ 57,900
530	4" Topsoil	4,718	sy	\$ 5.00	\$ 23,589
630	10' Concrete Sidewalk	19,300	sf	\$ 10.00	\$ 193,000
728	Auxiliary Lanes and Median Openings Allotment	387	sf	\$ 128.00	\$ 49,595
Paving Construction Cost Subtotal:					\$ 1,064,775
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 31,943
✓	Traffic Control			3%	\$ 31,943
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 21,296
✓	Roadway Drainage			20%	\$ 212,955
✓	Illumination			3%	\$ 28,278
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 74,534
✓	Establish Turf / Erosion Control			1%	\$ 10,648
✓	Basic Landscaping			2%	\$ 21,296
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 432,892
Paving and Allowance Subtotal:					\$ 1,497,667
Construction Contingency:					15% \$ 224,650
Construction Cost TOTAL:					\$ 1,723,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,723,000
Engineering/Survey/Testing:		18%	\$ 310,140
Mobilization		5%	\$ 86,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 344,600
Impact Fee Project Cost TOTAL:			\$ 2,464,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	T-4
Name:	Chapin (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	Alemeda to IH 820			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	1,345			
Service Area(s):	T			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	4,558	cy	\$ 38.00	\$ 173,206
225	6" Lime Stabilization (with Lime @ 32#/sy)	8,967	sy	\$ 8.00	\$ 71,733
325	11" Concrete Pavement	8,668	sy	\$ 120.00	\$ 1,040,133
425	6" Curb and Gutter	2,690	lf	\$ 15.00	\$ 40,350
525	4" Topsoil	4,782	sy	\$ 5.00	\$ 23,911
625	10' Concrete Sidewalk	26,900	sf	\$ 10.00	\$ 269,000
723	Auxiliary Lanes and Median Openings Allotment	229	sf	\$ 128.00	\$ 29,345
Paving Construction Cost Subtotal:					\$ 1,647,679
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 49,430
✓	Traffic Control			3%	\$ 49,430
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 32,954
✓	Roadway Drainage			20%	\$ 329,536
✓	Illumination			3%	\$ 43,758
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 115,338
✓	Establish Turf / Erosion Control			1%	\$ 16,477
✓	Basic Landscaping			2%	\$ 32,954
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 669,876
Paving and Allowance Subtotal:					\$ 2,317,555
Construction Contingency:					15% \$ 347,633
Construction Cost TOTAL:					\$ 2,666,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,666,000
Engineering/Survey/Testing:		18%	\$ 479,880
Mobilization		5%	\$ 133,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 266,600
Impact Fee Project Cost TOTAL:			\$ 3,546,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	T-5
Name:	Alemeda (1)	This project consists of the construction of a new three-lane undivided commercial connector.		
Limits:	Camp Bowie West to 545' S of Camp Bowie West			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	545			
Service Area(s):	T			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	1,181	cy	\$ 38.00	\$ 44,872
239	6" Lime Stabilization (with Lime @ 32#/sy)	2,301	sy	\$ 8.00	\$ 18,409
339	11" Concrete Pavement	2,180	sy	\$ 120.00	\$ 261,600
439	6" Curb and Gutter	1,090	lf	\$ 15.00	\$ 16,350
539	4" Topsoil	1,453	sy	\$ 5.00	\$ 7,267
639	10' Concrete Sidewalk	10,900	sf	\$ 10.00	\$ 109,000
737	Auxiliary Lanes and Median Openings Allotment	93	sf	\$ 128.00	\$ 11,891
Paving Construction Cost Subtotal:					\$ 469,388
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 14,082
✓	Traffic Control			3%	\$ 14,082
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 9,388
✓	Roadway Drainage			20%	\$ 93,878
✓	Illumination			3%	\$ 12,466
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 729,000	\$ 729,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 32,857
✓	Establish Turf / Erosion Control			1%	\$ 4,694
✓	Basic Landscaping			2%	\$ 9,388
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 919,833
Paving and Allowance Subtotal:					\$ 1,389,221
Construction Contingency:					15% \$ 208,383
Construction Cost TOTAL:					\$ 1,598,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,598,000
Engineering/Survey/Testing:		18%	\$ 287,640
Mobilization		5%	\$ 79,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 319,600
Impact Fee Project Cost TOTAL:			\$ 2,285,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

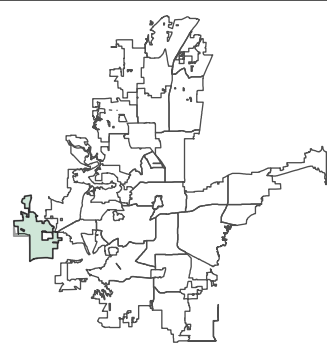
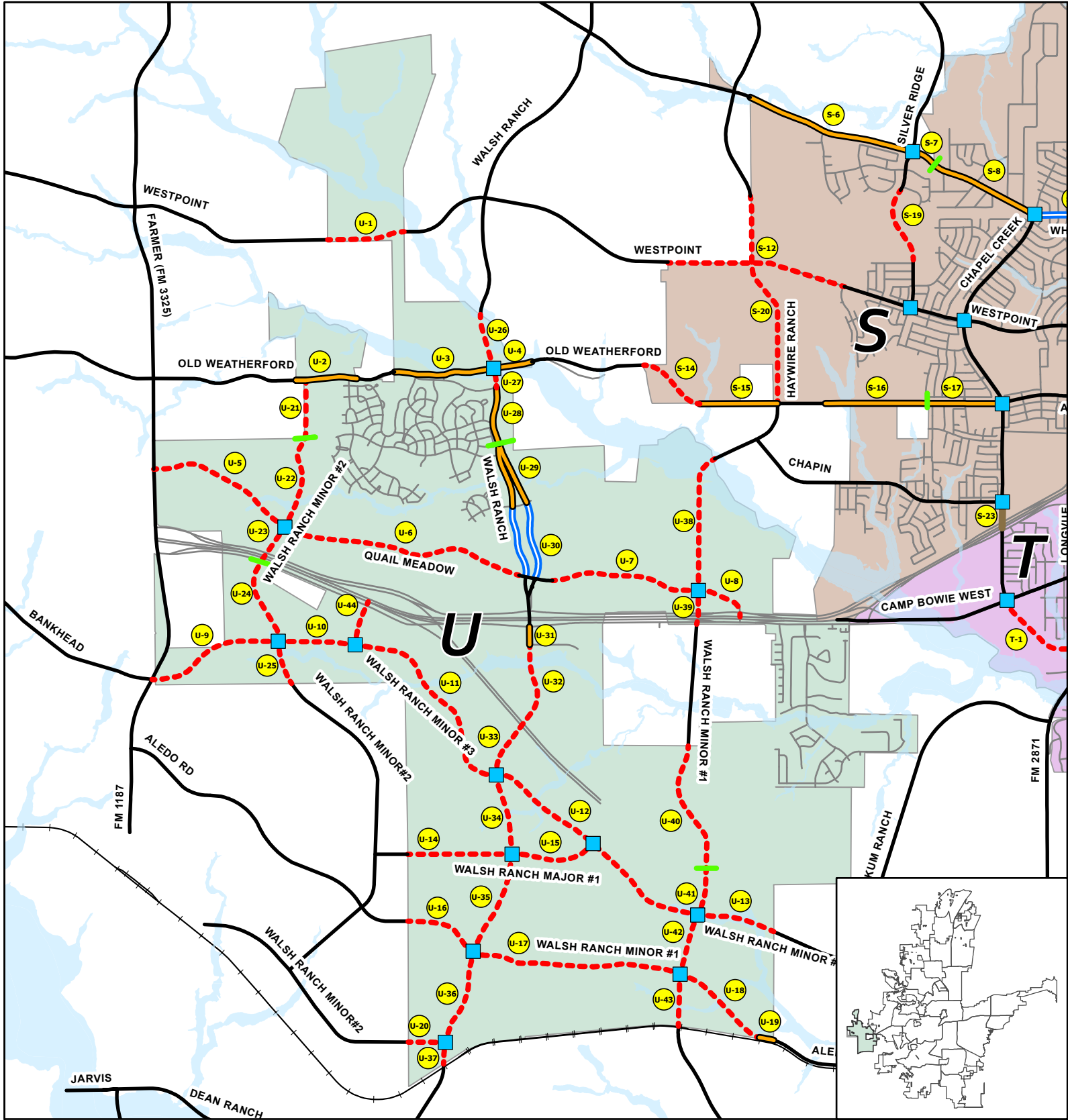
Project Information:		Description:	Project No.	T-6
Name:	Alemeda (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	545' S of Camp Bowie West to Chapin			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,785			
Service Area(s):	T			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	3,868	cy	\$ 38.00	\$ 146,965
239	6" Lime Stabilization (with Lime @ 32#/sy)	7,537	sy	\$ 8.00	\$ 60,293
339	11" Concrete Pavement	7,140	sy	\$ 120.00	\$ 856,800
439	6" Curb and Gutter	3,570	lf	\$ 15.00	\$ 53,550
539	4" Topsoil	4,760	sy	\$ 5.00	\$ 23,800
639	10' Concrete Sidewalk	35,700	sf	\$ 10.00	\$ 357,000
737	Auxiliary Lanes and Median Openings Allotment	304	sf	\$ 128.00	\$ 38,945
Paving Construction Cost Subtotal:					\$ 1,537,354
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 46,121
✓	Traffic Control			3%	\$ 46,121
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 30,747
✓	Roadway Drainage			20%	\$ 307,471
✓	Illumination			3%	\$ 40,828
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 107,615
✓	Establish Turf / Erosion Control			1%	\$ 15,374
✓	Basic Landscaping			2%	\$ 30,747
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 625,022
Paving and Allowance Subtotal:					\$ 2,162,376
Construction Contingency:					15% \$ 324,356
Construction Cost TOTAL:					\$ 2,487,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,487,000
Engineering/Survey/Testing:		18%	\$ 447,660
Mobilization		5%	\$ 124,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 248,700
Impact Fee Project Cost TOTAL:			\$ 3,308,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.



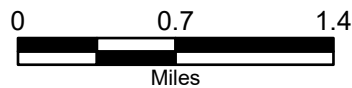
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA U)



Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area U

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
U-1	NCO-L2-T0-NTMS-P0-BOP (110)	Westpoint (3)	2702' E of Walsh Ranch Minor #2 to Walsh Ranch Minor #2	New	100%	\$ 6,891,000	\$ 6,891,000.00
U-2	NCO-L2-T0-TWLT-P0-BOP (110)	Old Weatherford (5)	1930' W of Purple Thistle to 620' E of Purple Thistle	Widening	100%	\$ 6,381,000	\$ 6,381,000.00
U-3	NCO-L2-T0-TWLT-P0-BOP (110)	Old Weatherford (6)	3500' W of Walsh Ranch to Walsh Ranch	Widening	100%	\$ 12,521,000	\$ 12,521,000.00
U-4	NCO-L2-T0-NTMS-P0-BOP (110)	Old Weatherford (7)	Walsh Ranch to 1355' E of Walsh Ranch	Widening	100%	\$ 7,457,000	\$ 7,457,000.00
U-5	CCO-L2-T0-NTMS-P0-BOP (110)	Quail Meadow (1)	FM 3325 to Walsh Ranch Minor #2	New	100%	\$ 14,901,000	\$ 14,901,000.00
U-6	CCO-L2-T0-NTMS-P0-BLC (110)	Quail Meadow (2)	Walsh Ranch Minor #2 to 240' W of Walsh Ranch	New	100%	\$ 24,017,000	\$ 24,017,000.00
U-7	CCO-L2-T0-NTMS-P0-BLC (110)	Quail Meadow (3)	610' E of Walsh Ranch to Walsh Ranch Minor #1	New	100%	\$ 14,725,000	\$ 14,725,000.00
U-8	CCO-L2-T0-NTMS-P0-BLC (110)	Quail Meadow (4)	Walsh Ranch Minor #1 to IH-30	New	100%	\$ 5,364,000	\$ 5,364,000.00
U-9	CCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #3 (1)	FM 1187 to Walsh Ranch Minor #2	New	100%	\$ 6,854,000	\$ 6,854,000.00
U-10	CCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #3 (2)	Walsh Ranch Minor #2 to Walsh Ranch Minor #3	New	100%	\$ 8,403,000	\$ 8,403,000.00
U-11	CCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #3 (3)	Walsh Ranch Minor #3 to Walsh Ranch	New	100%	\$ 22,165,000	\$ 22,165,000.00
U-12	CCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #3 (4)	Walsh Ranch to Walsh Ranch Minor #1	New	100%	\$ 24,905,000	\$ 24,905,000.00
U-13	CCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #3 (5)	Walsh Ranch Minor #1 to 2745' E of Walsh Ranch Minor #1	New	100%	\$ 12,141,000	\$ 12,141,000.00
U-14	Walsh Ranch Major #1 (1)	Walsh Ranch Major #1 (1)	3645' W of Walsh Ranch to Walsh Ranch	New	100%	\$ 9,304,000	\$ 9,304,000.00
U-15	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Major #1 (2)	Walsh Ranch to Walsh Ranch Minor #3	New	100%	\$ 8,351,000	\$ 8,351,000.00
U-16	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (1)	2685' W of Walsh Ranch to Walsh Ranch	New	100%	\$ 7,413,000	\$ 7,413,000.00
U-17	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (2)	Walsh Ranch to Walsh Ranch Minor #1	New	100%	\$ 20,305,000	\$ 20,305,000.00
U-18	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (3)	Walsh Ranch Minor #1 to 3590' E of Walsh Ranch Minor #1	New	100%	\$ 11,367,000	\$ 11,367,000.00
U-19	NCO-L2-T0-TWLT-P0-BOP (110)	Aledo	Walsh Ranch Minor #1 to 515' E of Walsh Ranch Minor #1	Widening	50%	\$ 1,323,000	\$ 661,500.00
U-20	NCO-L1-T0-TWLT-P0-BOP (80)	Walsh Ranch Minor #2	1295' W of Walsh Ranch to Walsh Ranch	New	100%	\$ 2,487,000	\$ 2,487,000.00
U-21	CCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #2 (1)	Old Weatherford to 1960' S of Old Weatherford	New	50%	\$ 5,147,000	\$ 2,573,500.00
U-22	CCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #2 (2)	1960' S of Old Weatherford to Quail Meadow	New	100%	\$ 10,147,000	\$ 10,147,000.00
U-23	CCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #2 (3)	Quail Meadow to IH-20	New	100%	\$ 7,949,000	\$ 7,949,000.00
U-24	CCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #2 (4)	IH-20 to Walsh Ranch Minor #3	New	100%	\$ 9,096,000	\$ 9,096,000.00
U-25	NCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #2 (5)	Walsh Ranch Minor #3 to 1560' S of Walsh Ranch Minor #3	New	100%	\$ 7,157,000	\$ 7,157,000.00
U-26	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (1)	1940' N of Old Weatherford to Old Weatherford	New	100%	\$ 5,211,000	\$ 5,211,000.00
U-27	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (2)	Old Weatherford to Marys Ridge	New	100%	\$ 3,851,000	\$ 3,851,000.00
U-28	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)	Walsh Ranch (3)	Marys Ridge to Walsh	Widening	100%	\$ 2,603,000	\$ 2,603,000.00
U-29	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)	Walsh Ranch (4)	Walsh to Walsh Creek	Widening	100%	\$ 5,996,000	\$ 5,996,000.00
U-30	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)	Walsh Ranch (5)	Walsh Creek to Quail Meadow	Median	100%	\$ 1,893,000	\$ 1,893,000.00
U-31	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (6)	IH-30 EBFR to Highland Hills	Widening	100%	\$ 1,617,000	\$ 1,617,000.00
U-32	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (7)	Highland Hills to IH-20	New	100%	\$ 11,430,000	\$ 11,430,000.00
U-33	CCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (8)	IH-20 to Walsh Ranch Minor #3	New	100%	\$ 5,448,000	\$ 5,448,000.00
U-34	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (9)	Walsh Ranch Minor #3 to Walsh Ranch Major #1	New	100%	\$ 8,835,000	\$ 8,835,000.00
U-35	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (10)	Walsh Ranch Major #1 to Walsh Ranch Minor #1	New	100%	\$ 9,923,000	\$ 9,923,000.00
U-36	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (11)	Walsh Ranch Minor #1 to Walsh Ranch Minor #2	New	100%	\$ 9,078,000	\$ 9,078,000.00
U-37	NCO-L3-T0-NTMS-P0-BOP (130) (W)	Walsh Ranch (12)	Walsh Ranch Minor #2 to 760' S of Walsh Ranch Minor #2	New	100%	\$ 2,042,000	\$ 2,042,000.00
U-38	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (4)	4830' N of Quail Meadow to Quail Meadow	New	100%	\$ 18,268,000	\$ 18,268,000.00
U-39	NCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #1 (5)	Quail Meadow to IH-30 EBFR	New	100%	\$ 5,844,000	\$ 5,844,000.00
U-40	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (6)	4680' N of IH-20 to IH-20	New	100%	\$ 12,920,000	\$ 12,920,000.00
U-41	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (7)	IH-20 to Walsh Ranch Minor #3	New	100%	\$ 4,446,000	\$ 4,446,000.00
U-42	NCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Minor #1 (8)	Walsh Ranch Minor #3 to Walsh Ranch Minor #1	New	100%	\$ 5,514,000	\$ 5,514,000.00
U-43	NCO-L2-T0-TWLT-P0-BOP (110)	Walsh Ranch Minor #1 (9)	Walsh Ranch Minor #1 to Aledo Road	New	100%	\$ 5,929,000	\$ 5,929,000.00
U-44	CCO-L1-T0-TWLT-P0-BOP (80)	Walsh Ranch Minor #3	IH-20 to Walsh Ranch Minor #3	New	100%	\$ 3,149,000	\$ 3,149,000.00
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Old Weatherford	Walsh Ranch	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Quail Meadow	Walsh Ranch Minor #2	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Quail Meadow	Walsh Ranch Minor #1	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #2	Walsh Ranch Minor #3	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #3	Walsh Ranch Minor #3	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #3	Walsh Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #3	Walsh Ranch Major #1	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #3	Walsh Ranch Minor #1	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Major #1	Walsh Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #1	Walsh Ranch	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Walsh Ranch Minor #1	Walsh Ranch Minor #1	New	100%	\$ 1,500,000	\$ 1,500,000

NOTES:

- These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-1
Name:	Westpoint (3)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	2702' E of Walsh Ranch Minor #2 to Walsh Ranch Minor #2			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,700			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,800	cy	\$ 38.00	\$ 296,400
230	6" Lime Stabilization (with Lime @ 32#/sy)	15,000	sy	\$ 8.00	\$ 120,000
330	11" Concrete Pavement	13,800	sy	\$ 120.00	\$ 1,656,000
430	6" Curb and Gutter	10,800	lf	\$ 15.00	\$ 162,000
530	4" Topsoil	13,200	sy	\$ 5.00	\$ 66,000
630	10' Concrete Sidewalk	54,000	sf	\$ 10.00	\$ 540,000
728	Auxiliary Lanes and Median Openings Allotment	1,084	sf	\$ 128.00	\$ 138,764
Paving Construction Cost Subtotal:					\$ 2,979,164
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 89,375
✓	Traffic Control			3%	\$ 89,375
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 59,583
✓	Roadway Drainage			20%	\$ 595,833
✓	Illumination			3%	\$ 79,119
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 208,541
✓	Establish Turf / Erosion Control			1%	\$ 29,792
✓	Basic Landscaping			2%	\$ 59,583
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,211,201
Paving and Allowance Subtotal:					\$ 4,190,364
Construction Contingency:					15% \$ 628,555
Construction Cost TOTAL:					\$ 4,819,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,819,000
Engineering/Survey/Testing:		18%	\$ 867,420
Mobilization		5%	\$ 240,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 963,800
Impact Fee Project Cost TOTAL:			\$ 6,891,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-2
Name:	Old Weatherford (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	1930' W of Purple Thistle to 620' E of Purple Thistle			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	2,485			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	8,145	cy	\$ 38.00	\$ 309,521
233	6" Lime Stabilization (with Lime @ 32#/sy)	16,014	sy	\$ 8.00	\$ 128,116
333	11" Concrete Pavement	15,462	sy	\$ 120.00	\$ 1,855,467
433	6" Curb and Gutter	4,970	lf	\$ 15.00	\$ 74,550
533	4" Topsoil	9,388	sy	\$ 5.00	\$ 46,939
633	10' Concrete Sidewalk	49,700	sf	\$ 10.00	\$ 497,000
731	Auxiliary Lanes and Median Openings Allotment	424	sf	\$ 128.00	\$ 54,218
Paving Construction Cost Subtotal:					\$ 2,965,810
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 88,974
✓	Traffic Control			3%	\$ 88,974
✓	Pavement Markings/Markers			2%	\$ 59,316
✓	Roadway Drainage	Standard Internal System		20%	\$ 593,162
✓	Illumination			3%	\$ 78,764
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 207,607
✓	Establish Turf / Erosion Control			1%	\$ 29,658
✓	Basic Landscaping			2%	\$ 59,316
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,205,772
Paving and Allowance Subtotal:					\$ 4,171,582
Construction Contingency:					15% \$ 625,737
Construction Cost TOTAL:					\$ 4,798,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,798,000
Engineering/Survey/Testing:		18%	\$ 863,640
Mobilization		5%	\$ 239,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 479,800
Impact Fee Project Cost TOTAL:			\$ 6,381,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-3
Name:	Old Weatherford (6)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	3500' W of Walsh Ranch to Walsh Ranch			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	3,500			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	11,472	cy	\$ 38.00	\$ 435,944
233	6" Lime Stabilization (with Lime @ 32#/sy)	22,556	sy	\$ 8.00	\$ 180,444
333	11" Concrete Pavement	21,778	sy	\$ 120.00	\$ 2,613,333
433	6" Curb and Gutter	7,000	lf	\$ 15.00	\$ 105,000
533	4" Topsoil	13,222	sy	\$ 5.00	\$ 66,111
633	10' Concrete Sidewalk	70,000	sf	\$ 10.00	\$ 700,000
731	Auxiliary Lanes and Median Openings Allotment	597	sf	\$ 128.00	\$ 76,364
Paving Construction Cost Subtotal:					\$ 4,177,197
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 125,316
✓	Traffic Control			3%	\$ 125,316
✓	Pavement Markings/Markers			2%	\$ 83,544
✓	Roadway Drainage	Standard Internal System		20%	\$ 835,439
✓	Illumination			3%	\$ 110,935
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,310,000	\$ 2,310,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 292,404
✓	Establish Turf / Erosion Control			1%	\$ 41,772
✓	Basic Landscaping			2%	\$ 83,544
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,008,270
Paving and Allowance Subtotal:					\$ 8,185,467
Construction Contingency:					15% \$ 1,227,820
Construction Cost TOTAL:					\$ 9,414,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,414,000
Engineering/Survey/Testing:		18%	\$ 1,694,520
Mobilization		5%	\$ 470,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 941,400
Impact Fee Project Cost TOTAL:			\$ 12,521,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-4
Name:	Old Weatherford (7)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Walsh Ranch to 1355' E of Walsh Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,355			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	3,914	cy	\$ 38.00	\$ 148,749
230	6" Lime Stabilization (with Lime @ 32#/sy)	7,528	sy	\$ 8.00	\$ 60,222
330	11" Concrete Pavement	6,926	sy	\$ 120.00	\$ 831,067
430	6" Curb and Gutter	5,420	lf	\$ 15.00	\$ 81,300
530	4" Topsoil	6,624	sy	\$ 5.00	\$ 33,122
630	10' Concrete Sidewalk	27,100	sf	\$ 10.00	\$ 271,000
728	Auxiliary Lanes and Median Openings Allotment	544	sf	\$ 128.00	\$ 69,639
Paving Construction Cost Subtotal:					\$ 1,495,099
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 44,853
✓	Traffic Control			3%	\$ 44,853
✓	Pavement Markings/Markers			2%	\$ 29,902
✓	Roadway Drainage	Standard Internal System		20%	\$ 299,020
✓	Illumination			3%	\$ 39,706
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,772,000	\$ 2,772,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 104,657
✓	Establish Turf / Erosion Control			1%	\$ 14,951
✓	Basic Landscaping			2%	\$ 29,902
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,379,843
Paving and Allowance Subtotal:					\$ 4,874,942
Construction Contingency:					15% \$ 731,241
Construction Cost TOTAL:					\$ 5,607,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,607,000
Engineering/Survey/Testing:		18%	\$ 1,009,260
Mobilization		5%	\$ 280,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 560,700
Impact Fee Project Cost TOTAL:			\$ 7,457,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-5
Name:	Quail Meadow (1)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	FM 3325 to Walsh Ranch Minor #2			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	5,335			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	16,005	cy	\$ 38.00	\$ 608,190
223	6" Lime Stabilization (with Lime @ 32#/sy)	30,824	sy	\$ 8.00	\$ 246,596
323	11" Concrete Pavement	28,453	sy	\$ 120.00	\$ 3,414,400
423	6" Curb and Gutter	21,340	lf	\$ 15.00	\$ 320,100
523	4" Topsoil	24,897	sy	\$ 5.00	\$ 124,483
623	10' Concrete Sidewalk	106,700	sf	\$ 10.00	\$ 1,067,000
721	Auxiliary Lanes and Median Openings Allotment	2,142	sf	\$ 128.00	\$ 274,187
Paving Construction Cost Subtotal:					\$ 6,054,956
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 181,649
✓	Traffic Control			3%	\$ 181,649
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 121,099
✓	Roadway Drainage			20%	\$ 1,210,991
✓	Illumination			3%	\$ 160,803
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 544,000	\$ 544,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 423,847
✓	Establish Turf / Erosion Control			1%	\$ 60,550
✓	Basic Landscaping			2%	\$ 121,099
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,005,687
Paving and Allowance Subtotal:					\$ 9,060,642
Construction Contingency:					15% \$ 1,359,096
Construction Cost TOTAL:					\$ 10,420,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,420,000
Engineering/Survey/Testing:		18%	\$ 1,875,600
Mobilization		5%	\$ 521,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,084,000
Impact Fee Project Cost TOTAL:			\$ 14,901,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-6
Name:	Quail Meadow (2)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Walsh Ranch Minor #2 to 240' W of Walsh Ranch			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	8,530			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	30,329	cy	\$ 38.00	\$ 1,152,498
221	6" Lime Stabilization (with Lime @ 32#/sy)	58,762	sy	\$ 8.00	\$ 470,098
321	11" Concrete Pavement	54,971	sy	\$ 120.00	\$ 6,596,533
421	6" Curb and Gutter	34,120	lf	\$ 15.00	\$ 511,800
521	4" Topsoil	37,911	sy	\$ 5.00	\$ 189,556
621	6' Concrete Sidewalk	102,360	sf	\$ 10.00	\$ 1,023,600
719	Auxiliary Lanes and Median Openings Allotment	3,425	sf	\$ 128.00	\$ 438,390
Paving Construction Cost Subtotal:					\$ 10,382,475
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 311,474
✓	Traffic Control			3%	\$ 311,474
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 207,649
✓	Roadway Drainage			20%	\$ 2,076,495
✓	Illumination			3%	\$ 275,731
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 726,773
✓	Establish Turf / Erosion Control			1%	\$ 103,825
✓	Basic Landscaping			2%	\$ 207,649
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,221,071
Paving and Allowance Subtotal:					\$ 14,603,546
Construction Contingency:					15% \$ 2,190,532
Construction Cost TOTAL:					\$ 16,795,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 16,795,000
Engineering/Survey/Testing:		18%	\$ 3,023,100
Mobilization		5%	\$ 839,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 3,359,000
Impact Fee Project Cost TOTAL:			\$ 24,017,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-7
Name:	Quail Meadow (3)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	610' E of Walsh Ranch to Walsh Ranch Minor #1			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	5,230			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	18,596	cy	\$ 38.00	\$ 706,631
221	6" Lime Stabilization (with Lime @ 32#/sy)	36,029	sy	\$ 8.00	\$ 288,231
321	11" Concrete Pavement	33,704	sy	\$ 120.00	\$ 4,044,533
421	6" Curb and Gutter	20,920	lf	\$ 15.00	\$ 313,800
521	4" Topsoil	23,244	sy	\$ 5.00	\$ 116,222
621	6' Concrete Sidewalk	62,760	sf	\$ 10.00	\$ 627,600
719	Auxiliary Lanes and Median Openings Allotment	2,100	sf	\$ 128.00	\$ 268,790
Paving Construction Cost Subtotal:					\$ 6,365,808
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 190,974
✓	Traffic Control			3%	\$ 190,974
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 127,316
✓	Roadway Drainage			20%	\$ 1,273,162
✓	Illumination			3%	\$ 169,059
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 445,607
✓	Establish Turf / Erosion Control			1%	\$ 63,658
✓	Basic Landscaping			2%	\$ 127,316
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,588,066
Paving and Allowance Subtotal:					\$ 8,953,874
Construction Contingency:					15% \$ 1,343,081
Construction Cost TOTAL:					\$ 10,297,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,297,000
Engineering/Survey/Testing:		18%	\$ 1,853,460
Mobilization		5%	\$ 514,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,059,400
Impact Fee Project Cost TOTAL:			\$ 14,725,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-8
Name:	Quail Meadow (4)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Walsh Ranch Minor #1 to IH-30			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,905			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
121	Unclassified Street Excavation	6,773	cy	\$ 38.00	\$ 257,387
221	6" Lime Stabilization (with Lime @ 32#/sy)	13,123	sy	\$ 8.00	\$ 104,987
321	11" Concrete Pavement	12,277	sy	\$ 120.00	\$ 1,473,200
421	6" Curb and Gutter	7,620	lf	\$ 15.00	\$ 114,300
521	4" Topsoil	8,467	sy	\$ 5.00	\$ 42,333
621	6' Concrete Sidewalk	22,860	sf	\$ 10.00	\$ 228,600
719	Auxiliary Lanes and Median Openings Allotment	765	sf	\$ 128.00	\$ 97,905
Paving Construction Cost Subtotal:					\$ 2,318,712
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 69,561
✓	Traffic Control			3%	\$ 69,561
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 46,374
✓	Roadway Drainage			20%	\$ 463,742
✓	Illumination			3%	\$ 61,579
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 162,310
✓	Establish Turf / Erosion Control			1%	\$ 23,187
✓	Basic Landscaping			2%	\$ 46,374
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 942,689
Paving and Allowance Subtotal:					\$ 3,261,402
Construction Contingency:					15% \$ 489,210
Construction Cost TOTAL:					\$ 3,751,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,751,000
Engineering/Survey/Testing:		18%	\$ 675,180
Mobilization		5%	\$ 187,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 750,200
Impact Fee Project Cost TOTAL:			\$ 5,364,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-9
Name:	Walsh Ranch Minor #3 (1)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	FM 1187 to Walsh Ranch Minor #2			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	1,880			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	6,371	cy	\$ 38.00	\$ 242,102
225	6" Lime Stabilization (with Lime @ 32#/sy)	12,533	sy	\$ 8.00	\$ 100,267
325	11" Concrete Pavement	12,116	sy	\$ 120.00	\$ 1,453,867
425	6" Curb and Gutter	3,760	lf	\$ 15.00	\$ 56,400
525	4" Topsoil	6,684	sy	\$ 5.00	\$ 33,422
625	10' Concrete Sidewalk	37,600	sf	\$ 10.00	\$ 376,000
723	Auxiliary Lanes and Median Openings Allotment	320	sf	\$ 128.00	\$ 41,018
Paving Construction Cost Subtotal:					\$ 2,303,076
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 69,092
✓	Traffic Control			3%	\$ 69,092
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 46,062
✓	Roadway Drainage			20%	\$ 460,615
✓	Illumination			3%	\$ 61,164
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 928,250	\$ 928,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 161,215
✓	Establish Turf / Erosion Control			1%	\$ 23,031
✓	Basic Landscaping			2%	\$ 46,062
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,864,582
Paving and Allowance Subtotal:					\$ 4,167,658
Construction Contingency:					15% \$ 625,149
Construction Cost TOTAL:					\$ 4,793,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,793,000
Engineering/Survey/Testing:		18%	\$ 862,740
Mobilization		5%	\$ 239,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 958,600
Impact Fee Project Cost TOTAL:			\$ 6,854,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-10
Name:	Walsh Ranch Minor #3 (2)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Walsh Ranch Minor #2 to Walsh Ranch Minor #3			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	2,690			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	9,116	cy	\$ 38.00	\$ 346,412
225	6" Lime Stabilization (with Lime @ 32#/sy)	17,933	sy	\$ 8.00	\$ 143,467
325	11" Concrete Pavement	17,336	sy	\$ 120.00	\$ 2,080,267
425	6" Curb and Gutter	5,380	lf	\$ 15.00	\$ 80,700
525	4" Topsoil	9,564	sy	\$ 5.00	\$ 47,822
625	10' Concrete Sidewalk	53,800	sf	\$ 10.00	\$ 538,000
723	Auxiliary Lanes and Median Openings Allotment	459	sf	\$ 128.00	\$ 58,691
Paving Construction Cost Subtotal:					\$ 3,295,359
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 98,861
✓	Traffic Control			3%	\$ 98,861
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 65,907
✓	Roadway Drainage			20%	\$ 659,072
✓	Illumination			3%	\$ 87,516
✓	Special Drainage Structures	Major Stream Crossing(s)		\$ 474,000	\$ 474,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 230,675
✓	Establish Turf / Erosion Control			1%	\$ 32,954
✓	Basic Landscaping			2%	\$ 65,907
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,813,752
Paving and Allowance Subtotal:					\$ 5,109,111
Construction Contingency:					15% \$ 766,367
Construction Cost TOTAL:					\$ 5,876,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,876,000
Engineering/Survey/Testing:		18%	\$ 1,057,680
Mobilization		5%	\$ 293,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,175,200
Impact Fee Project Cost TOTAL:			\$ 8,403,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	U-11
Name:	Walsh Ranch Minor #3 (3)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Walsh Ranch Minor #3 to Walsh Ranch			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	7,455			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	25,264	cy	\$ 38.00	\$ 960,038
225	6" Lime Stabilization (with Lime @ 32#/sy)	49,700	sy	\$ 8.00	\$ 397,600
325	11" Concrete Pavement	48,043	sy	\$ 120.00	\$ 5,765,200
425	6" Curb and Gutter	14,910	lf	\$ 15.00	\$ 223,650
525	4" Topsoil	26,507	sy	\$ 5.00	\$ 132,533
625	10' Concrete Sidewalk	149,100	sf	\$ 10.00	\$ 1,491,000
723	Auxiliary Lanes and Median Openings Allotment	1,271	sf	\$ 128.00	\$ 162,655
Paving Construction Cost Subtotal:					\$ 9,132,676
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 273,980
✓	Traffic Control			3%	\$ 273,980
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 182,654
✓	Roadway Drainage			20%	\$ 1,826,535
✓	Illumination			3%	\$ 242,540
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 632,000	\$ 632,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 639,287
✓	Establish Turf / Erosion Control			1%	\$ 91,327
✓	Basic Landscaping			2%	\$ 182,654
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,344,956
Paving and Allowance Subtotal:					\$ 13,477,633
Construction Contingency:					15% \$ 2,021,645
Construction Cost TOTAL:					\$ 15,500,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 15,500,000
Engineering/Survey/Testing:		18%	\$ 2,790,000
Mobilization		5%	\$ 775,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 3,100,000
Impact Fee Project Cost TOTAL:			\$ 22,165,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-12
Name:	Walsh Ranch Minor #3 (4)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Walsh Ranch to Walsh Ranch Minor #1			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	8,805			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	26,415	cy	\$ 38.00	\$ 1,003,770
223	6" Lime Stabilization (with Lime @ 32#/sy)	50,873	sy	\$ 8.00	\$ 406,987
323	11" Concrete Pavement	46,960	sy	\$ 120.00	\$ 5,635,200
423	6" Curb and Gutter	35,220	lf	\$ 15.00	\$ 528,300
523	4" Topsoil	41,090	sy	\$ 5.00	\$ 205,450
623	10' Concrete Sidewalk	176,100	sf	\$ 10.00	\$ 1,761,000
721	Auxiliary Lanes and Median Openings Allotment	3,535	sf	\$ 128.00	\$ 452,524
Paving Construction Cost Subtotal:					\$ 9,993,230
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 299,797
✓	Traffic Control			3%	\$ 299,797
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 199,865
✓	Roadway Drainage			20%	\$ 1,998,646
✓	Illumination			3%	\$ 265,394
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,088,000	\$ 1,088,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 699,526
✓	Establish Turf / Erosion Control			1%	\$ 99,932
✓	Basic Landscaping			2%	\$ 199,865
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 5,150,821
Paving and Allowance Subtotal:					\$ 15,144,051
Construction Contingency:					15% \$ 2,271,608
Construction Cost TOTAL:					\$ 17,416,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 17,416,000
Engineering/Survey/Testing:		18%	\$ 3,134,880
Mobilization		5%	\$ 870,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 3,483,200
Impact Fee Project Cost TOTAL:			\$ 24,905,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-13
Name:	Walsh Ranch Minor #3 (5)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Walsh Ranch Minor #1 to 2745' E of Walsh Ranch Minor #1			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	2,745			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	8,235	cy	\$ 38.00	\$ 312,930
223	6" Lime Stabilization (with Lime @ 32#/sy)	15,860	sy	\$ 8.00	\$ 126,880
323	11" Concrete Pavement	14,640	sy	\$ 120.00	\$ 1,756,800
423	6" Curb and Gutter	10,980	lf	\$ 15.00	\$ 164,700
523	4" Topsoil	12,810	sy	\$ 5.00	\$ 64,050
623	10' Concrete Sidewalk	54,900	sf	\$ 10.00	\$ 549,000
721	Auxiliary Lanes and Median Openings Allotment	1,102	sf	\$ 128.00	\$ 141,076
Paving Construction Cost Subtotal:					\$ 3,115,436
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 93,463
✓	Traffic Control			3%	\$ 93,463
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 62,309
✓	Roadway Drainage			20%	\$ 623,087
✓	Illumination			3%	\$ 82,738
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 218,081
✓	Establish Turf / Erosion Control			1%	\$ 31,154
✓	Basic Landscaping			2%	\$ 62,309
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,266,604
Paving and Allowance Subtotal:					\$ 7,382,040
Construction Contingency:					15% \$ 1,107,306
Construction Cost TOTAL:					\$ 8,490,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,490,000
Engineering/Survey/Testing:		18%	\$ 1,528,200
Mobilization		5%	\$ 424,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,698,000
Impact Fee Project Cost TOTAL:			\$ 12,141,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-14
Name:	Walsh Ranch Major #1 (1)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	3645' W of Walsh Ranch to Walsh Ranch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,645			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,530	cy	\$ 38.00	\$ 400,140
230	6" Lime Stabilization (with Lime @ 32#/sy)	20,250	sy	\$ 8.00	\$ 162,000
330	11" Concrete Pavement	18,630	sy	\$ 120.00	\$ 2,235,600
430	6" Curb and Gutter	14,580	lf	\$ 15.00	\$ 218,700
530	4" Topsoil	17,820	sy	\$ 5.00	\$ 89,100
630	10' Concrete Sidewalk	72,900	sf	\$ 10.00	\$ 729,000
728	Auxiliary Lanes and Median Openings Allotment	1,464	sf	\$ 128.00	\$ 187,331
Paving Construction Cost Subtotal:					\$ 4,021,871
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 120,656
✓	Traffic Control			3%	\$ 120,656
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 80,437
✓	Roadway Drainage			20%	\$ 804,374
✓	Illumination			3%	\$ 106,810
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 281,531
✓	Establish Turf / Erosion Control			1%	\$ 40,219
✓	Basic Landscaping			2%	\$ 80,437
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,635,121
Paving and Allowance Subtotal:					\$ 5,656,992
Construction Contingency:					15% \$ 848,549
Construction Cost TOTAL:					\$ 6,506,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,506,000
Engineering/Survey/Testing:		18%	\$ 1,171,080
Mobilization		5%	\$ 325,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,301,200
Impact Fee Project Cost TOTAL:			\$ 9,304,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-15
Name:	Walsh Ranch Major #1 (2)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Walsh Ranch to Walsh Ranch Minor #3			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	3,025			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	9,915	cy	\$ 38.00	\$ 376,781
233	6" Lime Stabilization (with Lime @ 32#/sy)	19,494	sy	\$ 8.00	\$ 155,956
333	11" Concrete Pavement	18,822	sy	\$ 120.00	\$ 2,258,667
433	6" Curb and Gutter	6,050	lf	\$ 15.00	\$ 90,750
533	4" Topsoil	11,428	sy	\$ 5.00	\$ 57,139
633	10' Concrete Sidewalk	60,500	sf	\$ 10.00	\$ 605,000
731	Auxiliary Lanes and Median Openings Allotment	516	sf	\$ 128.00	\$ 66,000
Paving Construction Cost Subtotal:					\$ 3,610,292
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 108,309
✓	Traffic Control			3%	\$ 108,309
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 72,206
✓	Roadway Drainage			20%	\$ 722,058
✓	Illumination			3%	\$ 95,880
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 252,720
✓	Establish Turf / Erosion Control			1%	\$ 36,103
✓	Basic Landscaping			2%	\$ 72,206
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,467,791
Paving and Allowance Subtotal:					\$ 5,078,082
Construction Contingency:					15% \$ 761,712
Construction Cost TOTAL:					\$ 5,840,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,840,000
Engineering/Survey/Testing:		18%	\$ 1,051,200
Mobilization		5%	\$ 292,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,168,000
Impact Fee Project Cost TOTAL:			\$ 8,351,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-16
Name:	Walsh Ranch Minor #1 (1)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	2685' W of Walsh Ranch to Walsh Ranch			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	2,685			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	8,801	cy	\$ 38.00	\$ 334,432
233	6" Lime Stabilization (with Lime @ 32#/sy)	17,303	sy	\$ 8.00	\$ 138,427
333	11" Concrete Pavement	16,707	sy	\$ 120.00	\$ 2,004,800
433	6" Curb and Gutter	5,370	lf	\$ 15.00	\$ 80,550
533	4" Topsoil	10,143	sy	\$ 5.00	\$ 50,717
633	10' Concrete Sidewalk	53,700	sf	\$ 10.00	\$ 537,000
731	Auxiliary Lanes and Median Openings Allotment	458	sf	\$ 128.00	\$ 58,582
Paving Construction Cost Subtotal:					\$ 3,204,507
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 96,135
✓	Traffic Control			3%	\$ 96,135
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 64,090
✓	Roadway Drainage			20%	\$ 640,901
✓	Illumination			3%	\$ 85,103
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 224,315
✓	Establish Turf / Erosion Control			1%	\$ 32,045
✓	Basic Landscaping			2%	\$ 64,090
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,302,816
Paving and Allowance Subtotal:					\$ 4,507,323
Construction Contingency:					15% \$ 676,098
Construction Cost TOTAL:					\$ 5,184,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,184,000
Engineering/Survey/Testing:		18%	\$ 933,120
Mobilization		5%	\$ 259,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,036,800
Impact Fee Project Cost TOTAL:			\$ 7,413,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-17
Name:	Walsh Ranch Minor #1 (2)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Walsh Ranch to Walsh Ranch Minor #1			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	7,355			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	24,108	cy	\$ 38.00	\$ 916,106
233	6" Lime Stabilization (with Lime @ 32#/sy)	47,399	sy	\$ 8.00	\$ 379,191
333	11" Concrete Pavement	45,764	sy	\$ 120.00	\$ 5,491,733
433	6" Curb and Gutter	14,710	lf	\$ 15.00	\$ 220,650
533	4" Topsoil	27,786	sy	\$ 5.00	\$ 138,928
633	10' Concrete Sidewalk	147,100	sf	\$ 10.00	\$ 1,471,000
731	Auxiliary Lanes and Median Openings Allotment	1,254	sf	\$ 128.00	\$ 160,473
Paving Construction Cost Subtotal:					\$ 8,778,081
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 263,342
✓	Traffic Control			3%	\$ 263,342
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 175,562
✓	Roadway Drainage			20%	\$ 1,755,616
✓	Illumination			3%	\$ 233,122
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 614,466
✓	Establish Turf / Erosion Control			1%	\$ 87,781
✓	Basic Landscaping			2%	\$ 175,562
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,568,793
Paving and Allowance Subtotal:					\$ 12,346,874
Construction Contingency:					15% \$ 1,852,031
Construction Cost TOTAL:					\$ 14,199,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 14,199,000
Engineering/Survey/Testing:		18%	\$ 2,555,820
Mobilization		5%	\$ 709,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,839,800
Impact Fee Project Cost TOTAL:			\$ 20,305,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-18
Name:	Walsh Ranch Minor #1 (3)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Walsh Ranch Minor #1 to 3590' E of Walsh Ranch Minor #1			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	3,590			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	11,767	cy	\$ 38.00	\$ 447,154
233	6" Lime Stabilization (with Lime @ 32#/sy)	23,136	sy	\$ 8.00	\$ 185,084
333	11" Concrete Pavement	22,338	sy	\$ 120.00	\$ 2,680,533
433	6" Curb and Gutter	7,180	lf	\$ 15.00	\$ 107,700
533	4" Topsoil	13,562	sy	\$ 5.00	\$ 67,811
633	10' Concrete Sidewalk	71,800	sf	\$ 10.00	\$ 718,000
731	Auxiliary Lanes and Median Openings Allotment	612	sf	\$ 128.00	\$ 78,327
Paving Construction Cost Subtotal:					\$ 4,284,611
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 128,538
✓	Traffic Control			3%	\$ 128,538
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 85,692
✓	Roadway Drainage			20%	\$ 856,922
✓	Illumination			3%	\$ 113,788
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 885,500	\$ 885,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 299,923
✓	Establish Turf / Erosion Control			1%	\$ 42,846
✓	Basic Landscaping			2%	\$ 85,692
	Other:			\$0	-
Allowance Subtotal:					\$ 2,627,440
Paving and Allowance Subtotal:					\$ 6,912,050
Construction Contingency:					15% \$ 1,036,808
Construction Cost TOTAL:					\$ 7,949,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,949,000
Engineering/Survey/Testing:		18%	\$ 1,430,820
Mobilization		5%	\$ 397,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,589,800
Impact Fee Project Cost TOTAL:			\$ 11,367,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	U-19
Name:	Aledo	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	Walsh Ranch Minor #1 to 515' E of Walsh Ranch Minor #1			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	515			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,688	cy	\$ 38.00	\$ 64,146
233	6" Lime Stabilization (with Lime @ 32#/sy)	3,319	sy	\$ 8.00	\$ 26,551
333	11" Concrete Pavement	3,204	sy	\$ 120.00	\$ 384,533
433	6" Curb and Gutter	1,030	lf	\$ 15.00	\$ 15,450
533	4" Topsoil	1,946	sy	\$ 5.00	\$ 9,728
633	10' Concrete Sidewalk	10,300	sf	\$ 10.00	\$ 103,000
731	Auxiliary Lanes and Median Openings Allotment	88	sf	\$ 128.00	\$ 11,236
Paving Construction Cost Subtotal:					\$ 614,645
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 18,439
✓	Traffic Control			3%	\$ 18,439
✓	Pavement Markings/Markers			2%	\$ 12,293
✓	Roadway Drainage	Standard Internal System		20%	\$ 122,929
✓	Illumination			3%	\$ 16,323
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 43,025
✓	Establish Turf / Erosion Control			1%	\$ 6,146
✓	Basic Landscaping			2%	\$ 12,293
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 249,888
Paving and Allowance Subtotal:					\$ 864,533
Construction Contingency:					15% \$ 129,680
Construction Cost TOTAL:					\$ 995,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 995,000
Engineering/Survey/Testing:		18%	\$ 179,100
Mobilization		5%	\$ 49,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 99,500
Impact Fee Project Cost TOTAL:			\$ 1,323,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-20
Name:	Walsh Ranch Minor #2	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	1295' W of Walsh Ranch to Walsh Ranch			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	1,295			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	2,662	cy	\$ 38.00	\$ 101,154
241	6" Lime Stabilization (with Lime @ 32#/sy)	5,180	sy	\$ 8.00	\$ 41,440
341	11" Concrete Pavement	4,892	sy	\$ 120.00	\$ 587,067
441	6" Curb and Gutter	2,590	lf	\$ 15.00	\$ 38,850
541	4" Topsoil	3,741	sy	\$ 5.00	\$ 18,706
641	10' Concrete Sidewalk	25,900	sf	\$ 10.00	\$ 259,000
739	Auxiliary Lanes and Median Openings Allotment	221	sf	\$ 128.00	\$ 28,255
Paving Construction Cost Subtotal:					\$ 1,074,471
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 32,234
✓	Traffic Control			3%	\$ 32,234
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 21,489
✓	Roadway Drainage			20%	\$ 214,894
✓	Illumination			3%	\$ 28,535
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 75,213
✓	Establish Turf / Erosion Control			1%	\$ 10,745
✓	Basic Landscaping			2%	\$ 21,489
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 436,834
Paving and Allowance Subtotal:					\$ 1,511,305
Construction Contingency:					15% \$ 226,696
Construction Cost TOTAL:					\$ 1,739,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,739,000
Engineering/Survey/Testing:		18%	\$ 313,020
Mobilization		5%	\$ 86,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 347,800
Impact Fee Project Cost TOTAL:			\$ 2,487,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-21
Name:	Walsh Ranch Minor #2 (1)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	Old Weatherford to 1960' S of Old Weatherford			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,960			
Service Area(s):	U, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	5,880	cy	\$ 38.00	\$ 223,440
223	6" Lime Stabilization (with Lime @ 32#/sy)	11,324	sy	\$ 8.00	\$ 90,596
323	11" Concrete Pavement	10,453	sy	\$ 120.00	\$ 1,254,400
423	6" Curb and Gutter	7,840	lf	\$ 15.00	\$ 117,600
523	4" Topsoil	9,147	sy	\$ 5.00	\$ 45,733
623	10' Concrete Sidewalk	39,200	sf	\$ 10.00	\$ 392,000
721	Auxiliary Lanes and Median Openings Allotment	787	sf	\$ 128.00	\$ 100,732
Paving Construction Cost Subtotal:					\$ 2,224,501
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 66,735
✓	Traffic Control			3%	\$ 66,735
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 44,490
✓	Roadway Drainage			20%	\$ 444,900
✓	Illumination			3%	\$ 59,077
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 155,715
✓	Establish Turf / Erosion Control			1%	\$ 22,245
✓	Basic Landscaping			2%	\$ 44,490
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 904,387
Paving and Allowance Subtotal:					\$ 3,128,888
Construction Contingency:					15% \$ 469,333
Construction Cost TOTAL:					\$ 3,599,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,599,000
Engineering/Survey/Testing:		18%	\$ 647,820
Mobilization		5%	\$ 179,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 719,800
Impact Fee Project Cost TOTAL:			\$ 5,147,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-22
Name:	Walsh Ranch Minor #2 (2)	This project consists of the construction of a new four-lane divided commercial connector.		
Limits:	1960' S of Old Weatherford to Quail Meadow			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	3,375			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	10,125	cy	\$ 38.00	\$ 384,750
223	6" Lime Stabilization (with Lime @ 32#/sy)	19,500	sy	\$ 8.00	\$ 156,000
323	11" Concrete Pavement	18,000	sy	\$ 120.00	\$ 2,160,000
423	6" Curb and Gutter	13,500	lf	\$ 15.00	\$ 202,500
523	4" Topsoil	15,750	sy	\$ 5.00	\$ 78,750
623	10' Concrete Sidewalk	67,500	sf	\$ 10.00	\$ 675,000
721	Auxiliary Lanes and Median Openings Allotment	1,355	sf	\$ 128.00	\$ 173,455
Paving Construction Cost Subtotal:					\$ 3,830,455
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 114,914
✓	Traffic Control			3%	\$ 114,914
✓	Pavement Markings/Markers			2%	\$ 76,609
✓	Roadway Drainage	Standard Internal System		20%	\$ 766,091
✓	Illumination			3%	\$ 101,727
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 782,000	\$ 782,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 268,132
✓	Establish Turf / Erosion Control			1%	\$ 38,305
✓	Basic Landscaping			2%	\$ 76,609
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,339,299
Paving and Allowance Subtotal:					\$ 6,169,754
Construction Contingency:					15% \$ 925,463
Construction Cost TOTAL:					\$ 7,096,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,096,000
Engineering/Survey/Testing:		18%	\$ 1,277,280
Mobilization		5%	\$ 354,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,419,200
Impact Fee Project Cost TOTAL:			\$ 10,147,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-23	
Name:	Walsh Ranch Minor #2 (3)	This project consists of the construction of a new five-lane undivided commercial connector.			
Limits:	Quail Meadow to IH-20				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	1,310				
Service Area(s):	U				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	4,439	cy	\$ 38.00	\$ 168,699
225	6" Lime Stabilization (with Lime @ 32#/sy)	8,733	sy	\$ 8.00	\$ 69,867
325	11" Concrete Pavement	8,442	sy	\$ 120.00	\$ 1,013,067
425	6" Curb and Gutter	2,620	lf	\$ 15.00	\$ 39,300
525	4" Topsoil	4,658	sy	\$ 5.00	\$ 23,289
625	10' Concrete Sidewalk	26,200	sf	\$ 10.00	\$ 262,000
723	Auxiliary Lanes and Median Openings Allotment	223	sf	\$ 128.00	\$ 28,582
Paving Construction Cost Subtotal:					\$ 1,604,803
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 48,144
✓	Traffic Control			3%	\$ 48,144
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 32,096
✓	Roadway Drainage			20%	\$ 320,961
✓	Illumination			3%	\$ 42,619
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 112,336
✓	Establish Turf / Erosion Control			1%	\$ 16,048
✓	Basic Landscaping	IH-20 Crossing		2%	\$ 32,096
✓	Other:			\$0	\$ 2,962,500
Allowance Subtotal:					\$ 3,614,944
Paving and Allowance Subtotal:					\$ 5,219,747
Construction Contingency:					15% \$ 338,587
Construction Cost TOTAL:					\$ 5,559,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,559,000
Engineering/Survey/Testing:		18%	\$ 1,000,620
Mobilization		5%	\$ 277,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,111,800
Impact Fee Project Cost TOTAL:			\$ 7,949,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-24	
Name:	Walsh Ranch Minor #2 (4)	This project consists of the construction of a new five-lane undivided commercial connector.			
Limits:	IH-20 to Walsh Ranch Minor #3				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	3,210				
Service Area(s):	U				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	10,878	cy	\$ 38.00	\$ 413,377
225	6" Lime Stabilization (with Lime @ 32#/sy)	21,400	sy	\$ 8.00	\$ 171,200
325	11" Concrete Pavement	20,687	sy	\$ 120.00	\$ 2,482,400
425	6" Curb and Gutter	6,420	lf	\$ 15.00	\$ 96,300
525	4" Topsoil	11,413	sy	\$ 5.00	\$ 57,067
625	10' Concrete Sidewalk	64,200	sf	\$ 10.00	\$ 642,000
723	Auxiliary Lanes and Median Openings Allotment	547	sf	\$ 128.00	\$ 70,036
Paving Construction Cost Subtotal:					\$ 3,932,380
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	117,971
✓	Traffic Control	None Anticipated	3%	\$	117,971
✓	Pavement Markings/Markers		2%	\$	78,648
✓	Roadway Drainage	Standard Internal System	20%	\$	786,476
✓	Illumination		3%	\$	104,434
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	275,267
✓	Establish Turf / Erosion Control		1%	\$	39,324
✓	Basic Landscaping		2%	\$	78,648
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,598,738
Paving and Allowance Subtotal:					\$ 5,531,118
Construction Contingency:					15% \$ 829,668
Construction Cost TOTAL:					\$ 6,361,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,361,000
Engineering/Survey/Testing:		18%	\$ 1,144,980
Mobilization		5%	\$ 318,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,272,200
Impact Fee Project Cost TOTAL:			\$ 9,096,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-25
Name:	Walsh Ranch Minor #2 (5)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Walsh Ranch Minor #3 to 1560' S of Walsh Ranch Minor #3			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,560			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	4,507	cy	\$ 38.00	\$ 171,253
230	6" Lime Stabilization (with Lime @ 32#/sy)	8,667	sy	\$ 8.00	\$ 69,333
330	11" Concrete Pavement	7,973	sy	\$ 120.00	\$ 956,800
430	6" Curb and Gutter	6,240	lf	\$ 15.00	\$ 93,600
530	4" Topsoil	7,627	sy	\$ 5.00	\$ 38,133
630	10' Concrete Sidewalk	31,200	sf	\$ 10.00	\$ 312,000
728	Auxiliary Lanes and Median Openings Allotment	626	sf	\$ 128.00	\$ 80,175
Paving Construction Cost Subtotal:					\$ 1,721,295
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 51,639
✓	Traffic Control			3%	\$ 51,639
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 34,426
✓	Roadway Drainage			20%	\$ 344,259
✓	Illumination			3%	\$ 45,713
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,930,500	\$ 1,930,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 120,491
✓	Establish Turf / Erosion Control			1%	\$ 17,213
✓	Basic Landscaping			2%	\$ 34,426
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,630,305
Paving and Allowance Subtotal:					\$ 4,351,599
Construction Contingency:					15% \$ 652,740
Construction Cost TOTAL:					\$ 5,005,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,005,000
Engineering/Survey/Testing:		18%	\$ 900,900
Mobilization		5%	\$ 250,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,001,000
Impact Fee Project Cost TOTAL:			\$ 7,157,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-26
Name:	Walsh Ranch (1)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	1940' N of Old Weatherford to Old Weatherford			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	1,940			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	7,976	cy	\$ 38.00	\$ 303,071
213	6" Lime Stabilization (with Lime @ 32#/sy)	10,778	sy	\$ 8.00	\$ 86,222
313	11" Concrete Pavement	9,916	sy	\$ 120.00	\$ 1,189,867
413	6" Curb and Gutter	7,760	lf	\$ 15.00	\$ 116,400
513	4" Topsoil	13,796	sy	\$ 5.00	\$ 68,978
613	10' Concrete Sidewalk	38,800	sf	\$ 10.00	\$ 388,000
711	Auxiliary Lanes and Median Openings Allotment	779	sf	\$ 128.00	\$ 99,704
Paving Construction Cost Subtotal:					\$ 2,252,242
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 67,567
✓	Traffic Control			3%	\$ 67,567
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 45,045
✓	Roadway Drainage			20%	\$ 450,448
✓	Illumination			3%	\$ 59,814
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 157,657
✓	Establish Turf / Erosion Control			1%	\$ 22,522
✓	Basic Landscaping			2%	\$ 45,045
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 915,666
Paving and Allowance Subtotal:					\$ 3,167,908
Construction Contingency:					15% \$ 475,186
Construction Cost TOTAL:					\$ 3,644,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,644,000
Engineering/Survey/Testing:		18%	\$ 655,920
Mobilization		5%	\$ 182,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 728,800
Impact Fee Project Cost TOTAL:			\$ 5,211,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-27
Name:	Walsh Ranch (2)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Old Weatherford to Marys Ridge			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	690			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	2,837	cy	\$ 38.00	\$ 107,793
213	6" Lime Stabilization (with Lime @ 32#/sy)	3,833	sy	\$ 8.00	\$ 30,667
313	11" Concrete Pavement	3,527	sy	\$ 120.00	\$ 423,200
413	6" Curb and Gutter	2,760	lf	\$ 15.00	\$ 41,400
513	4" Topsoil	4,907	sy	\$ 5.00	\$ 24,533
613	10' Concrete Sidewalk	13,800	sf	\$ 10.00	\$ 138,000
711	Auxiliary Lanes and Median Openings Allotment	277	sf	\$ 128.00	\$ 35,462
Paving Construction Cost Subtotal:					\$ 801,055
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 24,032
✓	Traffic Control			3%	\$ 24,032
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 16,021
✓	Roadway Drainage			20%	\$ 160,211
✓	Illumination			3%	\$ 21,274
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,215,000	\$ 1,215,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 56,074
✓	Establish Turf / Erosion Control			1%	\$ 8,011
✓	Basic Landscaping			2%	\$ 16,021
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,540,675
Paving and Allowance Subtotal:					\$ 2,341,730
Construction Contingency:					15% \$ 351,259
Construction Cost TOTAL:					\$ 2,693,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,693,000
Engineering/Survey/Testing:		18%	\$ 484,740
Mobilization		5%	\$ 134,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 538,600
Impact Fee Project Cost TOTAL:			\$ 3,851,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-28
Name:	Walsh Ranch (3)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector with a wide median.		
Limits:	Marys Ridge to Walsh			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	1,995			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
114	Unclassified Street Excavation	4,101	cy	\$ 38.00	\$ 155,832
214	6" Lime Stabilization (with Lime @ 32#/sy)	5,542	sy	\$ 8.00	\$ 44,333
314	11" Concrete Pavement	5,098	sy	\$ 120.00	\$ 611,800
414	6" Curb and Gutter	3,990	lf	\$ 15.00	\$ 59,850
514	4" Topsoil	7,093	sy	\$ 5.00	\$ 35,467
614	10' Concrete Sidewalk	19,950	sf	\$ 10.00	\$ 199,500
712	Auxiliary Lanes and Median Openings Allotment	801	sf	\$ 128.00	\$ 102,531
Paving Construction Cost Subtotal:					\$ 1,209,313
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 36,279
✓	Traffic Control			3%	\$ 36,279
✓	Pavement Markings/Markers			2%	\$ 24,186
✓	Roadway Drainage	Standard Internal System		20%	\$ 241,863
✓	Illumination			3%	\$ 32,116
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 84,652
✓	Establish Turf / Erosion Control			1%	\$ 12,093
✓	Basic Landscaping			2%	\$ 24,186
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 491,655
Paving and Allowance Subtotal:					\$ 1,700,967
Construction Contingency:					15% \$ 255,145
Construction Cost TOTAL:					\$ 1,957,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,957,000
Engineering/Survey/Testing:		18%	\$ 352,260
Mobilization		5%	\$ 97,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 195,700
Impact Fee Project Cost TOTAL:			\$ 2,603,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-29
Name:	Walsh Ranch (4)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector with a wide median.		
Limits:	Walsh to Walsh Creek			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W) (1/2)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	2,275			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
114	Unclassified Street Excavation	4,676	cy	\$ 38.00	\$ 177,703
214	6" Lime Stabilization (with Lime @ 32#/sy)	6,319	sy	\$ 8.00	\$ 50,556
314	11" Concrete Pavement	5,814	sy	\$ 120.00	\$ 697,667
414	6" Curb and Gutter	4,550	lf	\$ 15.00	\$ 68,250
514	4" Topsoil	8,089	sy	\$ 5.00	\$ 40,444
614	10' Concrete Sidewalk	22,750	sf	\$ 10.00	\$ 227,500
712	Auxiliary Lanes and Median Openings Allotment	913	sf	\$ 128.00	\$ 116,921
Paving Construction Cost Subtotal:					\$ 1,379,041
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 41,371
✓	Traffic Control			3%	\$ 41,371
✓	Pavement Markings/Markers			2%	\$ 27,581
✓	Roadway Drainage	Standard Internal System		20%	\$ 275,808
✓	Illumination			3%	\$ 36,624
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,980,000	\$ 1,980,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 96,533
✓	Establish Turf / Erosion Control			1%	\$ 13,790
✓	Basic Landscaping			2%	\$ 27,581
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,540,659
Paving and Allowance Subtotal:					\$ 3,919,700
Construction Contingency:					15% \$ 587,955
Construction Cost TOTAL:					\$ 4,508,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,508,000
Engineering/Survey/Testing:		18%	\$ 811,440
Mobilization		5%	\$ 225,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 450,800
Impact Fee Project Cost TOTAL:			\$ 5,996,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-30
Name:	Walsh Ranch (5)	This project consists of the construction of the inside lanes within the existing median to complete the six-lane divided neighborhood connector.		
Limits:	Walsh Creek to Quail Meadow			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (1/3)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	2,635			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
112	Unclassified Street Excavation	3,806	cy	\$ 38.00	\$ 144,632
212	6" Lime Stabilization (with Lime @ 32#/sy)	7,319	sy	\$ 8.00	\$ 58,556
312	11" Concrete Pavement	6,734	sy	\$ 120.00	\$ 808,067
412	6" Curb and Gutter	5,270	lf	\$ 15.00	\$ 79,050
512	4" Topsoil	0	sy	\$ 5.00	\$ -
612	10' Concrete Sidewalk	0	sf	\$ 10.00	\$ -
710	Auxiliary Lanes and Median Openings Allotment	898	sf	\$ 128.00	\$ 114,982
Paving Construction Cost Subtotal:					\$ 1,205,286
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 36,159
✓	Traffic Control			3%	\$ 36,159
✓	Pavement Markings/Markers			2%	\$ 24,106
	Roadway Drainage		None Anticipated	0%	\$ -
	Illumination		None Anticipated	0%	\$ -
	Special Drainage Structures		None Anticipated	\$ -	\$ -
	Water/Sewer		None Anticipated	0%	\$ -
✓	Establish Turf / Erosion Control			1%	\$ 12,053
✓	Basic Landscaping			2%	\$ 24,106
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 132,581
Paving and Allowance Subtotal:					\$ 1,337,868
Construction Contingency:					15% \$ 200,680
Construction Cost TOTAL:					\$ 1,539,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,539,000
Engineering/Survey/Testing:		18%	\$ 277,020
Mobilization		5%	\$ 76,950
Previous City contribution			\$ -
Other			\$ -
ROW/Easement Acquisition:	No ROW Acquisition Costs included	0%	\$ -
Impact Fee Project Cost TOTAL:			\$ 1,893,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-31
Name:	Walsh Ranch (6)	This project consists of the widening and reconstruction of the existing asphalt facility to complete the six-lane divided commercial connector with a wide median.		
Limits:	IH-30 EBFR to Highland Hills			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	630			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	2,660	cy	\$ 38.00	\$ 101,080
206	6" Lime Stabilization (with Lime @ 32#/sy)	3,640	sy	\$ 8.00	\$ 29,120
306	11" Concrete Pavement	3,360	sy	\$ 120.00	\$ 403,200
406	6" Curb and Gutter	2,520	lf	\$ 15.00	\$ 37,800
506	4" Topsoil	4,340	sy	\$ 5.00	\$ 21,700
606	10' Concrete Sidewalk	12,600	sf	\$ 10.00	\$ 126,000
704	Auxiliary Lanes and Median Openings Allotment	253	sf	\$ 128.00	\$ 32,378
Paving Construction Cost Subtotal:					\$ 751,278
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 22,538
✓	Traffic Control			3%	\$ 22,538
✓	Pavement Markings/Markers			2%	\$ 15,026
✓	Roadway Drainage	Standard Internal System		20%	\$ 150,256
✓	Illumination			3%	\$ 19,952
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 52,589
✓	Establish Turf / Erosion Control			1%	\$ 7,513
✓	Basic Landscaping			2%	\$ 15,026
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 305,438
Paving and Allowance Subtotal:					\$ 1,056,716
Construction Contingency:					15% \$ 158,507
Construction Cost TOTAL:					\$ 1,216,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,216,000
Engineering/Survey/Testing:		18%	\$ 218,880
Mobilization		5%	\$ 60,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 121,600
Impact Fee Project Cost TOTAL:			\$ 1,617,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-32
Name:	Walsh Ranch (7)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	Highland Hills to IH-20			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	3,030			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	12,793	cy	\$ 38.00	\$ 486,147
206	6" Lime Stabilization (with Lime @ 32#/sy)	17,507	sy	\$ 8.00	\$ 140,053
306	11" Concrete Pavement	16,160	sy	\$ 120.00	\$ 1,939,200
406	6" Curb and Gutter	12,120	lf	\$ 15.00	\$ 181,800
506	4" Topsoil	20,873	sy	\$ 5.00	\$ 104,367
606	10' Concrete Sidewalk	60,600	sf	\$ 10.00	\$ 606,000
704	Auxiliary Lanes and Median Openings Allotment	1,217	sf	\$ 128.00	\$ 155,724
Paving Construction Cost Subtotal:					\$ 3,613,290
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 108,399
✓	Traffic Control			3%	\$ 108,399
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 72,266
✓	Roadway Drainage			20%	\$ 722,658
✓	Illumination			3%	\$ 95,959
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,867,500	\$ 1,867,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 252,930
✓	Establish Turf / Erosion Control			1%	\$ 36,133
✓	Basic Landscaping			2%	\$ 72,266
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,336,510
Paving and Allowance Subtotal:					\$ 6,949,800
Construction Contingency:					15% \$ 1,042,470
Construction Cost TOTAL:					\$ 7,993,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,993,000
Engineering/Survey/Testing:		18%	\$ 1,438,740
Mobilization		5%	\$ 399,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,598,600
Impact Fee Project Cost TOTAL:			\$ 11,430,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-33
Name:	Walsh Ranch (8)	This project consists of the construction of a new four-lane divided commercial connector with a wide median.		
Limits:	IH-20 to Walsh Ranch Minor #3			
Impact Fee Class:	CCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Commercial Connector			
Length (lf):	1,975			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
106	Unclassified Street Excavation	8,339	cy	\$ 38.00	\$ 316,878
206	6" Lime Stabilization (with Lime @ 32#/sy)	11,411	sy	\$ 8.00	\$ 91,289
306	11" Concrete Pavement	10,533	sy	\$ 120.00	\$ 1,264,000
406	6" Curb and Gutter	7,900	lf	\$ 15.00	\$ 118,500
506	4" Topsoil	13,606	sy	\$ 5.00	\$ 68,028
606	10' Concrete Sidewalk	39,500	sf	\$ 10.00	\$ 395,000
704	Auxiliary Lanes and Median Openings Allotment	793	sf	\$ 128.00	\$ 101,503
Paving Construction Cost Subtotal:					\$ 2,355,197
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 70,656
✓	Traffic Control			3%	\$ 70,656
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 47,104
✓	Roadway Drainage			20%	\$ 471,039
✓	Illumination			3%	\$ 62,548
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 164,864
✓	Establish Turf / Erosion Control			1%	\$ 23,552
✓	Basic Landscaping			2%	\$ 47,104
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 957,523
Paving and Allowance Subtotal:					\$ 3,312,720
Construction Contingency:					15% \$ 496,908
Construction Cost TOTAL:					\$ 3,810,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,810,000
Engineering/Survey/Testing:		18%	\$ 685,800
Mobilization		5%	\$ 190,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 762,000
Impact Fee Project Cost TOTAL:			\$ 5,448,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-34
Name:	Walsh Ranch (9)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Walsh Ranch Minor #3 to Walsh Ranch Major #1			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	2,835			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	11,655	cy	\$ 38.00	\$ 442,890
213	6" Lime Stabilization (with Lime @ 32#/sy)	15,750	sy	\$ 8.00	\$ 126,000
313	11" Concrete Pavement	14,490	sy	\$ 120.00	\$ 1,738,800
413	6" Curb and Gutter	11,340	lf	\$ 15.00	\$ 170,100
513	4" Topsoil	20,160	sy	\$ 5.00	\$ 100,800
613	10' Concrete Sidewalk	56,700	sf	\$ 10.00	\$ 567,000
711	Auxiliary Lanes and Median Openings Allotment	1,138	sf	\$ 128.00	\$ 145,702
Paving Construction Cost Subtotal:					\$ 3,291,292
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 98,739
✓	Traffic Control			3%	\$ 98,739
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 65,826
✓	Roadway Drainage			20%	\$ 658,258
✓	Illumination			3%	\$ 87,408
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 742,500	\$ 742,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 230,390
✓	Establish Turf / Erosion Control			1%	\$ 32,913
✓	Basic Landscaping			2%	\$ 65,826
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,080,599
Paving and Allowance Subtotal:					\$ 5,371,891
Construction Contingency:					15% \$ 805,784
Construction Cost TOTAL:					\$ 6,178,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,178,000
Engineering/Survey/Testing:		18%	\$ 1,112,040
Mobilization		5%	\$ 308,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,235,600
Impact Fee Project Cost TOTAL:			\$ 8,835,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-35
Name:	Walsh Ranch (10)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Walsh Ranch Major #1 to Walsh Ranch Minor #1			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	3,695			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	15,191	cy	\$ 38.00	\$ 577,241
213	6" Lime Stabilization (with Lime @ 32#/sy)	20,528	sy	\$ 8.00	\$ 164,222
313	11" Concrete Pavement	18,886	sy	\$ 120.00	\$ 2,266,267
413	6" Curb and Gutter	14,780	lf	\$ 15.00	\$ 221,700
513	4" Topsoil	26,276	sy	\$ 5.00	\$ 131,378
613	10' Concrete Sidewalk	73,900	sf	\$ 10.00	\$ 739,000
711	Auxiliary Lanes and Median Openings Allotment	1,484	sf	\$ 128.00	\$ 189,901
Paving Construction Cost Subtotal:					\$ 4,289,708
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	128,691
✓	Traffic Control	None Anticipated	3%	\$	128,691
✓	Pavement Markings/Markers		2%	\$	85,794
✓	Roadway Drainage	Standard Internal System	20%	\$	857,942
✓	Illumination		3%	\$	113,923
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	300,280
✓	Establish Turf / Erosion Control		1%	\$	42,897
✓	Basic Landscaping		2%	\$	85,794
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,744,012
Paving and Allowance Subtotal:					\$ 6,033,721
Construction Contingency:					15% \$ 905,058
Construction Cost TOTAL:					\$ 6,939,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,939,000
Engineering/Survey/Testing:		18%	\$ 1,249,020
Mobilization		5%	\$ 346,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,387,800
Impact Fee Project Cost TOTAL:			\$ 9,923,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-36
Name:	Walsh Ranch (11)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Walsh Ranch Minor #1 to Walsh Ranch Minor #2			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	3,380			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	13,896	cy	\$ 38.00	\$ 528,031
213	6" Lime Stabilization (with Lime @ 32#/sy)	18,778	sy	\$ 8.00	\$ 150,222
313	11" Concrete Pavement	17,276	sy	\$ 120.00	\$ 2,073,067
413	6" Curb and Gutter	13,520	lf	\$ 15.00	\$ 202,800
513	4" Topsoil	24,036	sy	\$ 5.00	\$ 120,178
613	10' Concrete Sidewalk	67,600	sf	\$ 10.00	\$ 676,000
711	Auxiliary Lanes and Median Openings Allotment	1,357	sf	\$ 128.00	\$ 173,712
Paving Construction Cost Subtotal:					\$ 3,924,009
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 117,720
✓	Traffic Control			3%	\$ 117,720
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 78,480
✓	Roadway Drainage			20%	\$ 784,802
✓	Illumination			3%	\$ 104,211
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 274,681
✓	Establish Turf / Erosion Control			1%	\$ 39,240
✓	Basic Landscaping			2%	\$ 78,480
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,595,335
Paving and Allowance Subtotal:					\$ 5,519,344
Construction Contingency:					15% \$ 827,902
Construction Cost TOTAL:					\$ 6,348,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,348,000
Engineering/Survey/Testing:		18%	\$ 1,142,640
Mobilization		5%	\$ 317,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,269,600
Impact Fee Project Cost TOTAL:			\$ 9,078,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-37
Name:	Walsh Ranch (12)	This project consists of the construction of a new four-lane divided neighborhood connector with a wide median.		
Limits:	Walsh Ranch Minor #2 to 760' S of Walsh Ranch Minor #2			
Impact Fee Class:	NCO-L3-T0-NTMS-P0-BOP (130) (W)			
Ultimate Class:	6 Lane Divided Neighborhood Connector			
Length (lf):	760			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
113	Unclassified Street Excavation	3,124	cy	\$ 38.00	\$ 118,729
213	6" Lime Stabilization (with Lime @ 32#/sy)	4,222	sy	\$ 8.00	\$ 33,778
313	11" Concrete Pavement	3,884	sy	\$ 120.00	\$ 466,133
413	6" Curb and Gutter	3,040	lf	\$ 15.00	\$ 45,600
513	4" Topsoil	5,404	sy	\$ 5.00	\$ 27,022
613	10' Concrete Sidewalk	15,200	sf	\$ 10.00	\$ 152,000
711	Auxiliary Lanes and Median Openings Allotment	305	sf	\$ 128.00	\$ 39,059
Paving Construction Cost Subtotal:					\$ 882,322
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 26,470
✓	Traffic Control			3%	\$ 26,470
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 17,646
✓	Roadway Drainage			20%	\$ 176,464
✓	Illumination			3%	\$ 23,432
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 61,763
✓	Establish Turf / Erosion Control			1%	\$ 8,823
✓	Basic Landscaping			2%	\$ 17,646
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 358,714
Paving and Allowance Subtotal:					\$ 1,241,036
Construction Contingency:					15% \$ 186,155
Construction Cost TOTAL:					\$ 1,428,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,428,000
Engineering/Survey/Testing:		18%	\$ 257,040
Mobilization		5%	\$ 71,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 285,600
Impact Fee Project Cost TOTAL:			\$ 2,042,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-38	
Name:	Walsh Ranch Minor #1 (4)		This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	4830' N of Quail Meadow to Quail Meadow				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	4,830				
Service Area(s):	U				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	15,832	cy	\$ 38.00	\$ 601,603
233	6" Lime Stabilization (with Lime @ 32#/sy)	31,127	sy	\$ 8.00	\$ 249,013
333	11" Concrete Pavement	30,053	sy	\$ 120.00	\$ 3,606,400
433	6" Curb and Gutter	9,660	lf	\$ 15.00	\$ 144,900
533	4" Topsoil	18,247	sy	\$ 5.00	\$ 91,233
633	10' Concrete Sidewalk	96,600	sf	\$ 10.00	\$ 966,000
731	Auxiliary Lanes and Median Openings Allotment	823	sf	\$ 128.00	\$ 105,382
Paving Construction Cost Subtotal:					\$ 5,764,532
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 172,936
✓	Traffic Control			3%	\$ 172,936
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 115,291
✓	Roadway Drainage			20%	\$ 1,152,906
✓	Illumination	Drainage Crossing(s)		3%	\$ 153,091
✓	Special Drainage Structures			\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 403,517
✓	Establish Turf / Erosion Control			1%	\$ 57,645
✓	Basic Landscaping			2%	\$ 115,291
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 5,343,613
Paving and Allowance Subtotal:					\$ 11,108,145
Construction Contingency:					15% \$ 1,666,222
Construction Cost TOTAL:					\$ 12,775,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,775,000
Engineering/Survey/Testing:		18%	\$ 2,299,500
Mobilization		5%	\$ 638,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,555,000
Impact Fee Project Cost TOTAL:			\$ 18,268,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-39
Name:	Walsh Ranch Minor #1 (5)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Quail Meadow to IH-30 EBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,180			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	3,409	cy	\$ 38.00	\$ 129,538
230	6" Lime Stabilization (with Lime @ 32#/sy)	6,556	sy	\$ 8.00	\$ 52,444
330	11" Concrete Pavement	6,031	sy	\$ 120.00	\$ 723,733
430	6" Curb and Gutter	4,720	lf	\$ 15.00	\$ 70,800
530	4" Topsoil	5,769	sy	\$ 5.00	\$ 28,844
630	10' Concrete Sidewalk	23,600	sf	\$ 10.00	\$ 236,000
728	Auxiliary Lanes and Median Openings Allotment	474	sf	\$ 128.00	\$ 60,645
Paving Construction Cost Subtotal:					\$ 1,302,005
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
√	Prep ROW	None Anticipated		3%	\$ 39,060
√	Traffic Control			3%	\$ 39,060
√	Pavement Markings/Markers	Standard Internal System		2%	\$ 26,040
√	Roadway Drainage			20%	\$ 260,401
√	Illumination	None Anticipated		3%	\$ 34,578
	Special Drainage Structures			\$ -	\$ -
√	Water/Sewer	Minor Adjustments		7%	\$ 91,140
√	Establish Turf / Erosion Control			1%	\$ 13,020
√	Basic Landscaping	IH-20 Crossing		2%	\$ 26,040
√	Other:			\$0	\$ 1,980,000
Allowance Subtotal:					\$ 2,509,340
Paving and Allowance Subtotal:					\$ 3,811,344
Construction Contingency:					15% \$ 274,702
Construction Cost TOTAL:					\$ 4,087,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,087,000
Engineering/Survey/Testing:		18%	\$ 735,660
Mobilization		5%	\$ 204,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 817,400
Impact Fee Project Cost TOTAL:			\$ 5,844,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-40
Name:	Walsh Ranch Minor #1 (6)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	4680' N of IH-20 to IH-20			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	4,680			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	15,340	cy	\$ 38.00	\$ 582,920
233	6" Lime Stabilization (with Lime @ 32#/sy)	30,160	sy	\$ 8.00	\$ 241,280
333	11" Concrete Pavement	29,120	sy	\$ 120.00	\$ 3,494,400
433	6" Curb and Gutter	9,360	lf	\$ 15.00	\$ 140,400
533	4" Topsoil	17,680	sy	\$ 5.00	\$ 88,400
633	10' Concrete Sidewalk	93,600	sf	\$ 10.00	\$ 936,000
731	Auxiliary Lanes and Median Openings Allotment	798	sf	\$ 128.00	\$ 102,109
Paving Construction Cost Subtotal:					\$ 5,585,509
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 167,565
✓	Traffic Control			3%	\$ 167,565
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 111,710
✓	Roadway Drainage			20%	\$ 1,117,102
✓	Illumination			3%	\$ 148,336
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 390,986
✓	Establish Turf / Erosion Control			1%	\$ 55,855
✓	Basic Landscaping			2%	\$ 111,710
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,270,830
Paving and Allowance Subtotal:					\$ 7,856,339
Construction Contingency:					15% \$ 1,178,451
Construction Cost TOTAL:					\$ 9,035,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,035,000
Engineering/Survey/Testing:		18%	\$ 1,626,300
Mobilization		5%	\$ 451,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,807,000
Impact Fee Project Cost TOTAL:			\$ 12,920,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-41	
Name:	Walsh Ranch Minor #1 (7)	This project consists of the construction of a new five-lane undivided neighborhood connector.			
Limits:	IH-20 to Walsh Ranch Minor #3				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	1,610				
Service Area(s):	U				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	5,277	cy	\$ 38.00	\$ 200,534
233	6" Lime Stabilization (with Lime @ 32#/sy)	10,376	sy	\$ 8.00	\$ 83,004
333	11" Concrete Pavement	10,018	sy	\$ 120.00	\$ 1,202,133
433	6" Curb and Gutter	3,220	lf	\$ 15.00	\$ 48,300
533	4" Topsoil	6,082	sy	\$ 5.00	\$ 30,411
633	10' Concrete Sidewalk	32,200	sf	\$ 10.00	\$ 322,000
731	Auxiliary Lanes and Median Openings Allotment	274	sf	\$ 128.00	\$ 35,127
Paving Construction Cost Subtotal:					\$ 1,921,511
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	57,645
✓	Traffic Control		3%	\$	57,645
✓	Pavement Markings/Markers		2%	\$	38,430
✓	Roadway Drainage	Standard Internal System	20%	\$	384,302
✓	Illumination		3%	\$	51,030
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	134,506
✓	Establish Turf / Erosion Control		1%	\$	19,215
✓	Basic Landscaping		2%	\$	38,430
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 781,204
Paving and Allowance Subtotal:					\$ 2,702,715
Construction Contingency:					15% \$ 405,407
Construction Cost TOTAL:					\$ 3,109,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,109,000
Engineering/Survey/Testing:		18%	\$ 559,620
Mobilization		5%	\$ 155,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 621,800
Impact Fee Project Cost TOTAL:			\$ 4,446,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-42
Name:	Walsh Ranch Minor #1 (8)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	Walsh Ranch Minor #3 to Walsh Ranch Minor #1			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,160			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	6,240	cy	\$ 38.00	\$ 237,120
230	6" Lime Stabilization (with Lime @ 32#/sy)	12,000	sy	\$ 8.00	\$ 96,000
330	11" Concrete Pavement	11,040	sy	\$ 120.00	\$ 1,324,800
430	6" Curb and Gutter	8,640	lf	\$ 15.00	\$ 129,600
530	4" Topsoil	10,560	sy	\$ 5.00	\$ 52,800
630	10' Concrete Sidewalk	43,200	sf	\$ 10.00	\$ 432,000
728	Auxiliary Lanes and Median Openings Allotment	867	sf	\$ 128.00	\$ 111,011
Paving Construction Cost Subtotal:					\$ 2,383,331
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 71,500
✓	Traffic Control			3%	\$ 71,500
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 47,667
✓	Roadway Drainage			20%	\$ 476,666
✓	Illumination			3%	\$ 63,295
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 166,833
✓	Establish Turf / Erosion Control			1%	\$ 23,833
✓	Basic Landscaping			2%	\$ 47,667
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 968,961
Paving and Allowance Subtotal:					\$ 3,352,292
Construction Contingency:					15% \$ 502,844
Construction Cost TOTAL:					\$ 3,856,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,856,000
Engineering/Survey/Testing:		18%	\$ 694,080
Mobilization		5%	\$ 192,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 771,200
Impact Fee Project Cost TOTAL:			\$ 5,514,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	U-43
Name:	Walsh Ranch Minor #1 (9)	This project consists of the construction of a new five-lane undivided neighborhood connector.		
Limits:	Walsh Ranch Minor #1 to Aledo Road			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,815			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	5,949	cy	\$ 38.00	\$ 226,068
233	6" Lime Stabilization (with Lime @ 32#/sy)	11,697	sy	\$ 8.00	\$ 93,573
333	11" Concrete Pavement	11,293	sy	\$ 120.00	\$ 1,355,200
433	6" Curb and Gutter	3,630	lf	\$ 15.00	\$ 54,450
533	4" Topsoil	6,857	sy	\$ 5.00	\$ 34,283
633	10' Concrete Sidewalk	36,300	sf	\$ 10.00	\$ 363,000
731	Auxiliary Lanes and Median Openings Allotment	309	sf	\$ 128.00	\$ 39,600
Paving Construction Cost Subtotal:					\$ 2,166,175
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 64,985
✓	Traffic Control			3%	\$ 64,985
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 43,324
✓	Roadway Drainage			20%	\$ 433,235
✓	Illumination			3%	\$ 57,528
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 558,250	\$ 558,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 151,632
✓	Establish Turf / Erosion Control			1%	\$ 21,662
✓	Basic Landscaping			2%	\$ 43,324
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,438,924
Paving and Allowance Subtotal:					\$ 3,605,099
Construction Contingency:					15% \$ 540,765
Construction Cost TOTAL:					\$ 4,146,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,146,000
Engineering/Survey/Testing:		18%	\$ 746,280
Mobilization		5%	\$ 207,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 829,200
Impact Fee Project Cost TOTAL:			\$ 5,929,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

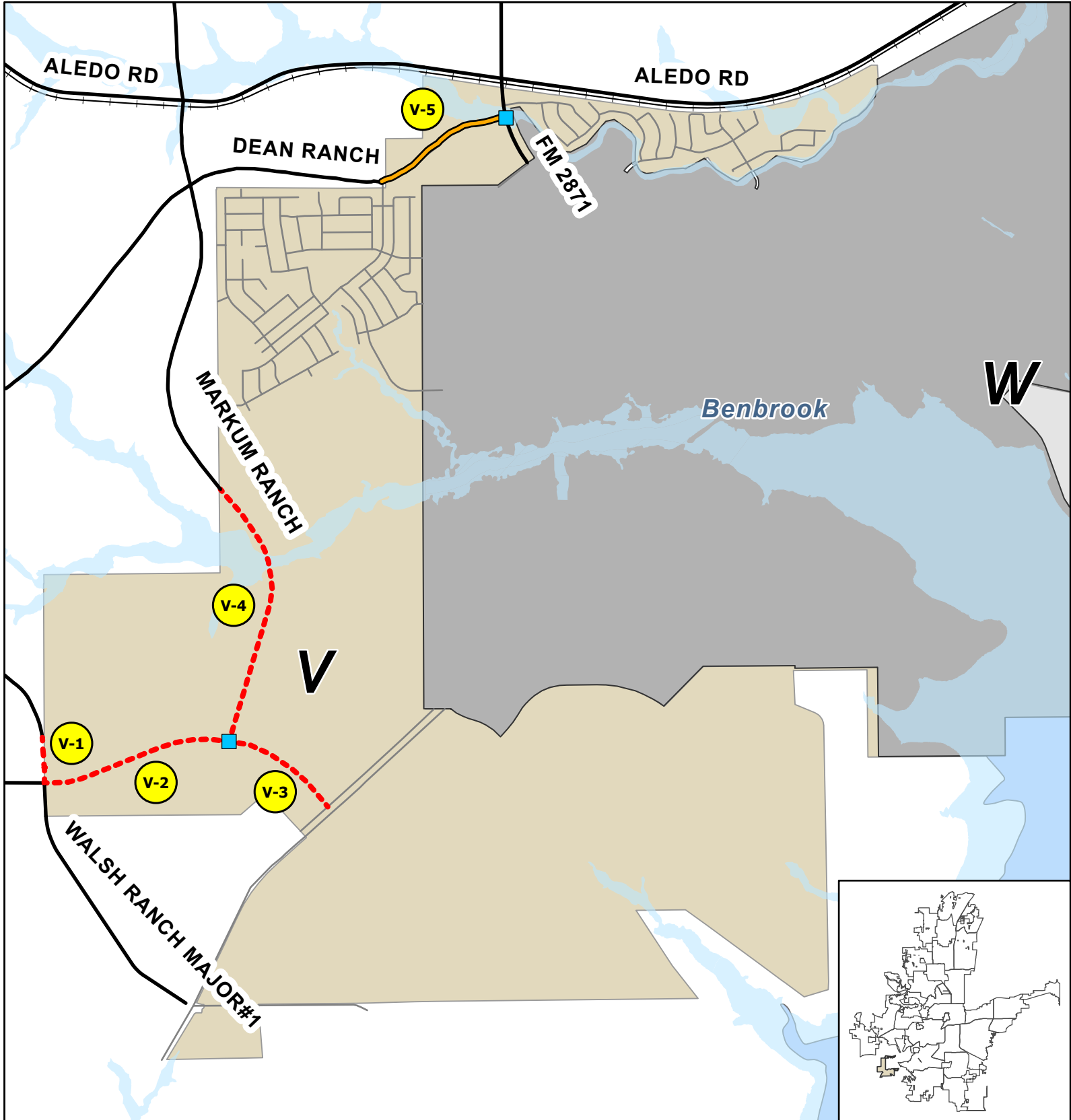
Project Information:		Description:	Project No.	U-44
Name:	Walsh Ranch Minor #3	This project consists of the construction of a new three-lane undivided commercial connector.		
Limits:	IH-20 to Walsh Ranch Minor #3			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	1,580			
Service Area(s):	U			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	3,423	cy	\$ 38.00	\$ 130,087
239	6" Lime Stabilization (with Lime @ 32#/sy)	6,671	sy	\$ 8.00	\$ 53,369
339	11" Concrete Pavement	6,320	sy	\$ 120.00	\$ 758,400
439	6" Curb and Gutter	3,160	lf	\$ 15.00	\$ 47,400
539	4" Topsoil	4,213	sy	\$ 5.00	\$ 21,067
639	10' Concrete Sidewalk	31,600	sf	\$ 10.00	\$ 316,000
737	Auxiliary Lanes and Median Openings Allotment	269	sf	\$ 128.00	\$ 34,473
Paving Construction Cost Subtotal:					\$ 1,360,795
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 40,824
✓	Traffic Control			3%	\$ 40,824
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 27,216
✓	Roadway Drainage			20%	\$ 272,159
✓	Illumination			3%	\$ 36,139
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 95,256
✓	Establish Turf / Erosion Control			1%	\$ 13,608
✓	Basic Landscaping			2%	\$ 27,216
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 553,241
Paving and Allowance Subtotal:					\$ 1,914,036
Construction Contingency:					15% \$ 287,105
Construction Cost TOTAL:					\$ 2,202,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,202,000
Engineering/Survey/Testing:		18%	\$ 396,360
Mobilization		5%	\$ 110,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 440,400
Impact Fee Project Cost TOTAL:			\$ 3,149,000

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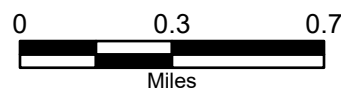
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA V)



**Transportation
Improvements Plan**



May 2022



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area V

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
V-1	NCO-L2-T0-NTMS-P0-BOP (110)	Walsh Ranch Major #1 (3)	850' N of Bear Creek to Bear Creek	New	50%	\$ 2,171,000	\$ 1,085,500
V-2	NCO-L2-T0-NTMS-P0-BOP (110)	Bear Creek (1)	Walsh Ranch Major #1 to Markum Ranch	New	100%	\$ 8,857,000	\$ 8,857,000
V-3	NCO-L2-T0-NTMS-P0-BOP (110)	Bear Creek (2)	Markum Ranch to US 377	New	100%	\$ 5,616,000	\$ 5,616,000
V-4	NCO-L2-T0-TWLT-P0-BOP (110)	Markum Ranch	4090' S of Dean Ranch to Bear Creek	New	100%	\$ 15,204,000	\$ 15,204,000
V-5	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Dean Ranch	2445' W of FM 2871 to FM 2871	Widening	100%	\$ 3,982,000	\$ 3,982,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Dean Ranch	FM 2871	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Bear Creek	Markum Ranch	New	100%	\$ 1,500,000	\$ 1,500,000

NOTES:

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2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	V-1	
Name:	Walsh Ranch Major #1 (3)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	850' N of Bear Creek to Bear Creek				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	850				
Service Area(s):	V				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,456	cy	\$ 38.00	\$ 93,311
230	6" Lime Stabilization (with Lime @ 32#/sy)	4,722	sy	\$ 8.00	\$ 37,778
330	11" Concrete Pavement	4,344	sy	\$ 120.00	\$ 521,333
430	6" Curb and Gutter	3,400	lf	\$ 15.00	\$ 51,000
530	4" Topsoil	4,156	sy	\$ 5.00	\$ 20,778
630	10' Concrete Sidewalk	17,000	sf	\$ 10.00	\$ 170,000
728	Auxiliary Lanes and Median Openings Allotment	341	sf	\$ 128.00	\$ 43,685
Paving Construction Cost Subtotal:					\$ 937,885
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	28,137
✓	Traffic Control		3%	\$	28,137
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	18,758
✓	Roadway Drainage		20%	\$	187,577
✓	Illumination		3%	\$	24,908
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	65,652
✓	Establish Turf / Erosion Control		1%	\$	9,379
✓	Basic Landscaping		2%	\$	18,758
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 381,304
Paving and Allowance Subtotal:					\$ 1,319,189
Construction Contingency:					15% \$ 197,878
Construction Cost TOTAL:					\$ 1,518,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,518,000
Engineering/Survey/Testing:		18%	\$ 273,240
Mobilization		5%	\$ 75,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 303,600
Impact Fee Project Cost TOTAL:			\$ 2,171,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	V-2	
Name:	Bear Creek (1)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Walsh Ranch Major #1 to Markum Ranch				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,470				
Service Area(s):	V				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,024	cy	\$ 38.00	\$ 380,929
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,278	sy	\$ 8.00	\$ 154,222
330	11" Concrete Pavement	17,736	sy	\$ 120.00	\$ 2,128,267
430	6" Curb and Gutter	13,880	lf	\$ 15.00	\$ 208,200
530	4" Topsoil	16,964	sy	\$ 5.00	\$ 84,822
630	10' Concrete Sidewalk	69,400	sf	\$ 10.00	\$ 694,000
728	Auxiliary Lanes and Median Openings Allotment	1,393	sf	\$ 128.00	\$ 178,337
Paving Construction Cost Subtotal:					\$ 3,828,777
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	114,863
✓	Traffic Control		3%	\$	114,863
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	76,576
✓	Roadway Drainage		20%	\$	765,755
✓	Illumination		3%	\$	101,682
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	268,014
✓	Establish Turf / Erosion Control		1%	\$	38,288
✓	Basic Landscaping		2%	\$	76,576
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,556,617
Paving and Allowance Subtotal:					\$ 5,385,394
Construction Contingency:					15% \$ 807,809
Construction Cost TOTAL:					\$ 6,194,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,194,000
Engineering/Survey/Testing:		18%	\$ 1,114,920
Mobilization		5%	\$ 309,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,238,800
Impact Fee Project Cost TOTAL:			\$ 8,857,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	V-3	
Name:	Bear Creek (2)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Markum Ranch to US 377				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,200				
Service Area(s):	V				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	6,356	cy	\$ 38.00	\$ 241,511
230	6" Lime Stabilization (with Lime @ 32#/sy)	12,222	sy	\$ 8.00	\$ 97,778
330	11" Concrete Pavement	11,244	sy	\$ 120.00	\$ 1,349,333
430	6" Curb and Gutter	8,800	lf	\$ 15.00	\$ 132,000
530	4" Topsoil	10,756	sy	\$ 5.00	\$ 53,778
630	10' Concrete Sidewalk	44,000	sf	\$ 10.00	\$ 440,000
728	Auxiliary Lanes and Median Openings Allotment	883	sf	\$ 128.00	\$ 113,067
Paving Construction Cost Subtotal:					\$ 2,427,467
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 72,824
✓	Traffic Control			3%	\$ 72,824
✓	Pavement Markings/Markers			2%	\$ 48,549
✓	Roadway Drainage	Standard Internal System		20%	\$ 485,493
✓	Illumination			3%	\$ 64,467
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 169,923
✓	Establish Turf / Erosion Control			1%	\$ 24,275
✓	Basic Landscaping			2%	\$ 48,549
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 986,904
Paving and Allowance Subtotal:					\$ 3,414,371
Construction Contingency:					15% \$ 512,156
Construction Cost TOTAL:					\$ 3,927,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,927,000
Engineering/Survey/Testing:		18%	\$ 706,860
Mobilization		5%	\$ 196,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 785,400
Impact Fee Project Cost TOTAL:			\$ 5,616,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	V-4	
Name:	Markum Ranch	This project consists of the construction of a new five-lane undivided neighborhood connector.			
Limits:	4090' S of Dean Ranch to Bear Creek				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	4,945				
Service Area(s):	V				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	16,209	cy	\$ 38.00	\$ 615,927
233	6" Lime Stabilization (with Lime @ 32#/sy)	31,868	sy	\$ 8.00	\$ 254,942
333	11" Concrete Pavement	30,769	sy	\$ 120.00	\$ 3,692,267
433	6" Curb and Gutter	9,890	lf	\$ 15.00	\$ 148,350
533	4" Topsoil	18,681	sy	\$ 5.00	\$ 93,406
633	10' Concrete Sidewalk	98,900	sf	\$ 10.00	\$ 989,000
731	Auxiliary Lanes and Median Openings Allotment	843	sf	\$ 128.00	\$ 107,891
Paving Construction Cost Subtotal:					\$ 5,901,783
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 177,053
✓	Traffic Control			3%	\$ 177,053
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 118,036
✓	Roadway Drainage			20%	\$ 1,180,357
✓	Illumination			3%	\$ 156,736
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 943,250	\$ 943,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 413,125
✓	Establish Turf / Erosion Control			1%	\$ 59,018
✓	Basic Landscaping			2%	\$ 118,036
	Other:			\$0	-
Allowance Subtotal:					\$ 3,342,663
Paving and Allowance Subtotal:					\$ 9,244,446
Construction Contingency:					15% \$ 1,386,667
Construction Cost TOTAL:					\$ 10,632,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,632,000
Engineering/Survey/Testing:		18%	\$ 1,913,760
Mobilization		5%	\$ 531,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,126,400
Impact Fee Project Cost TOTAL:			\$ 15,204,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

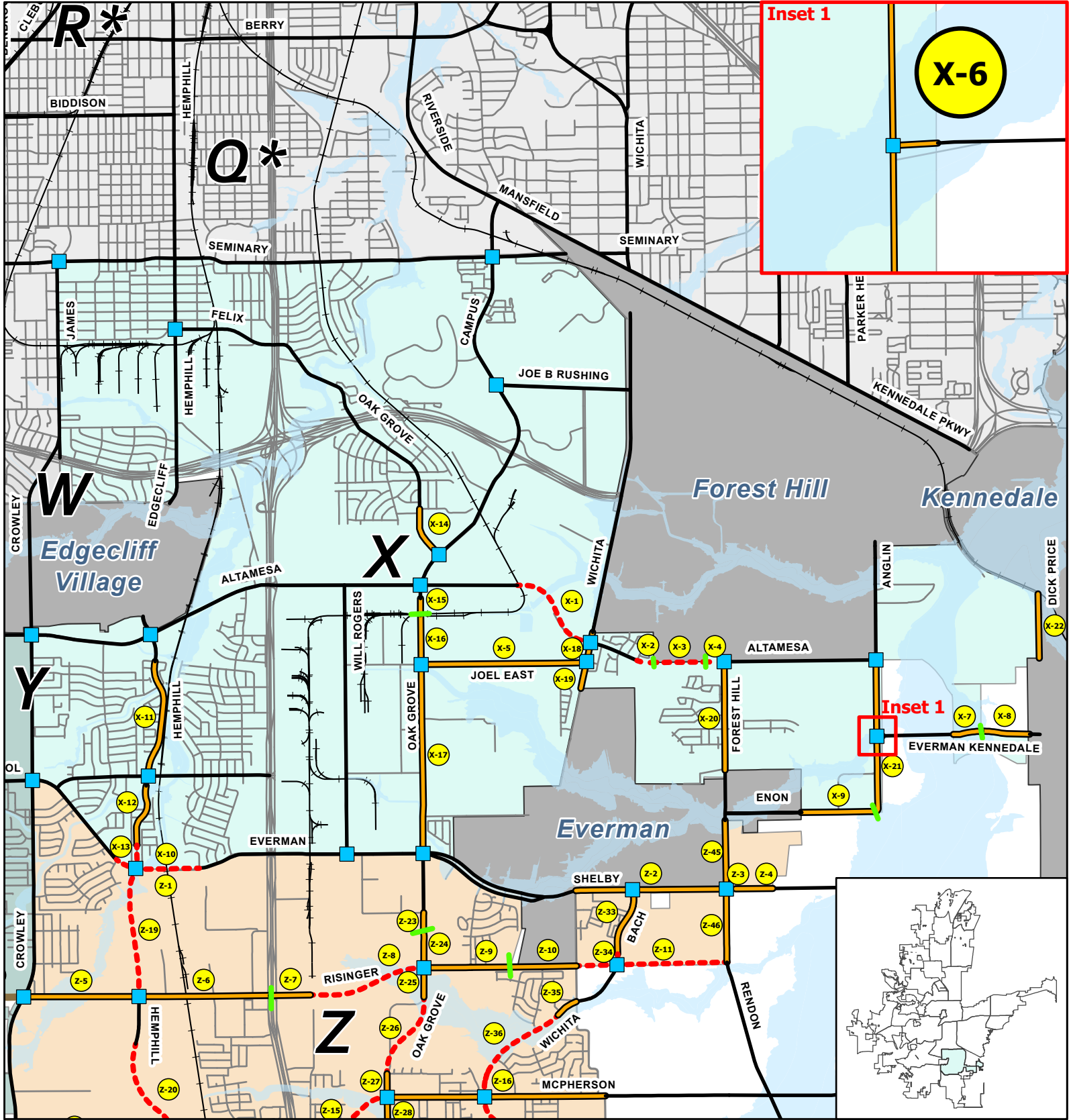
Project Information:		Description:	Project No.	V-5
Name:	Dean Ranch	This project consists of the widening and construction of the eastbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	2445' W of FM 2871 to FM 2871			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,575			
Service Area(s):	V			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,719	cy	\$ 38.00	\$ 141,339
231	6" Lime Stabilization (with Lime @ 32#/sy)	7,153	sy	\$ 8.00	\$ 57,222
331	11" Concrete Pavement	6,581	sy	\$ 120.00	\$ 789,667
431	6" Curb and Gutter	5,150	lf	\$ 15.00	\$ 77,250
531	4" Topsoil	6,294	sy	\$ 5.00	\$ 31,472
631	10' Concrete Sidewalk	25,750	sf	\$ 10.00	\$ 257,500
729	Auxiliary Lanes and Median Openings Allotment	1,034	sf	\$ 128.00	\$ 132,339
Paving Construction Cost Subtotal:					\$ 1,486,789
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 44,604
✓	Traffic Control			3%	\$ 44,604
✓	Pavement Markings/Markers			2%	\$ 29,736
✓	Roadway Drainage	Standard Internal System		20%	\$ 297,358
✓	Illumination			3%	\$ 39,485
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 511,500	\$ 511,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 104,075
✓	Establish Turf / Erosion Control			1%	\$ 14,868
✓	Basic Landscaping			2%	\$ 29,736
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,115,965
Paving and Allowance Subtotal:					\$ 2,602,755
Construction Contingency:					15% \$ 390,413
Construction Cost TOTAL:					\$ 2,994,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,994,000
Engineering/Survey/Testing:		18%	\$ 538,920
Mobilization		5%	\$ 149,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 299,400
Impact Fee Project Cost TOTAL:			\$ 3,982,000

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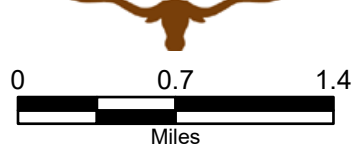


Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA X)

FORT WORTH



May 2022

**Transportation
Improvements Plan**



Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study

Transportation Improvements Plan for Transportation Impact Fees

Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area X

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
X-1	CCO-L1-T0-TWLT-P0-BOP (80)	Altamesa (4)	3180' E of Oak Grove to Wichita	New	100%	\$ 9,856,000.00	\$ 9,856,000
X-2	NCO-L1-T0-TWLT-P0-BOP (80)	Altamesa (5)	Lana to 600' E of Lana	New	100%	\$ 1,153,000.00	\$ 1,153,000
X-3	NCO-L1-T0-TWLT-P0-BOP (80)	Altamesa (6)	600' E of Lana to 650' W of Forest Hill	New	50%	\$ 3,465,000.00	\$ 1,732,500
X-4	NCO-L1-T0-TWLT-P0-BOP (80)	Altamesa (7)	650' W of Forest Hill to Forest Hill	New	100%	\$ 1,248,000.00	\$ 1,248,000
X-5	CCO-L1-T0-TWLT-P0-BOP (80)	Joel East	Oak Grove to Wichita	Widening	100%	\$ 10,757,000.00	\$ 10,757,000
X-6	NCO-L1-T0-TWLT-P0-BOP (80)	Everman Kennedale (1)	Anglin to 190' E of Anglin	Widening	100%	\$ 1,459,000.00	\$ 1,459,000
X-7	NCO-L1-T0-TWLT-P0-BOP (80)	Everman Kennedale (2)	2670' E of Anglin to 3645' E of Anglin	Widening	100%	\$ 6,329,000.00	\$ 6,329,000
X-8	NCO-L1-T0-TWLT-P0-BOP (80)	Everman Kennedale (3)	3645' E of Anglin to 5350' W of Anglin	Widening	50%	\$ 3,809,000.00	\$ 1,904,500
X-9	NCO-L1-T0-TWLT-P0-BOP (80)	Enon	2635' W of Anglin to Angling	Widening	100%	\$ 6,766,000.00	\$ 6,766,000
X-10, Z-1	NCO-L2-T0-TWLT-P0-BOP (110)	Everman	Butterwick to Cameron Hill	New	50%	\$ 18,520,000.00	\$ 9,260,000
X-11	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Hemphill (1)	Sunderland to Sycamore School	Widening	100%	\$ 5,155,000.00	\$ 5,155,000
X-12	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Hemphill (2)	360' S of Sycamore School to 815' N of Everman	Widening	100%	\$ 2,967,000.00	\$ 2,967,000
X-13	NCO-L2-T0-TWLT-P0-BOP (110)	Hemphill (3)	815' N of Everman to Everman	New	100%	\$ 2,081,000.00	\$ 2,081,000
X-14	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (1)	Engbald to Campus	Widening	100%	\$ 4,345,000.00	\$ 4,345,000
X-15	CCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Oak Grove (2)	470' S of Altamesa to Railroad	Widening	100%	\$ 670,000.00	\$ 670,000
X-16	CCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Oak Grove (3)	Railroad to Joel East	Widening	100%	\$ 3,602,000.00	\$ 3,602,000
X-17	CCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (4)	Joel East to Everman	Widening	100%	\$ 17,999,000.00	\$ 17,999,000
X-18	CCO-L2-T0-TWLT-P0-BOP (110)	Wichita (1)	340' N of Altamesa to Joel East	Widening	100%	\$ 2,540,000.00	\$ 2,540,000
X-19	CCO-L2-T0-TWLT-P0-BOP (110)	Wichita (2)	Joel East to 960' S of Joel East	Widening	100%	\$ 2,345,000.00	\$ 2,345,000
X-20	NCO-L2-T0-TWLT-P0-BOP (110)	Forest Hill (1)	Lon Stephenson to 905' S of Hanna Ranch	Widening	100%	\$ 8,997,000.00	\$ 8,997,000
X-21	NCO-L1-T0-TWLT-P0-BOP (80)	Anglin	Lon Stephenson to Enon	Widening	100%	\$ 13,235,000.00	\$ 13,235,000
X-22	NCO-L1-T0-TWLT-P0-BOP (80)	Dick Price	1935' N of Shadey Ln to 310' S of Shadey Ln	Widening	100%	\$ 4,007,000.00	\$ 4,007,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Altamesa	Campus	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Altamesa	Hemphill	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Altamesa	Crowley	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Altamesa	Wichita	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Altamesa	Forest Hill	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Everman	Hemphill	New	50%	\$ 1,500,000	\$ 750,000
	Intersection Improvements	Everman	Will Rogers	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Everman	Oak Grove	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Everman	Crowley	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Everman Kennedale	Anglin	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Felix	Hemphill	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Joe B Rushing	Campus	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Joel East	Oak Grove	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Joel East	Wichita	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Lon Stephenson	Anglin	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Oak Grove	Campus	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Seminary	James	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Seminary	Campus	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Sycamore School	Hemphill	Rebuild	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-1	
Name:	Altamesa (4)		This project consists of the construction of a new three-lane undivided commercial connector.		
Limits:	3180' E of Oak Grove to Wichita				
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Commercial Connector				
Length (lf):	3,510				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	7,605	cy	\$ 38.00	\$ 288,990
239	6" Lime Stabilization (with Lime @ 32#/sy)	14,820	sy	\$ 8.00	\$ 118,560
339	11" Concrete Pavement	14,040	sy	\$ 120.00	\$ 1,684,800
439	6" Curb and Gutter	7,020	lf	\$ 15.00	\$ 105,300
539	4" Topsoil	9,360	sy	\$ 5.00	\$ 46,800
639	10' Concrete Sidewalk	70,200	sf	\$ 10.00	\$ 702,000
737	Auxiliary Lanes and Median Openings Allotment	598	sf	\$ 128.00	\$ 76,582
Paving Construction Cost Subtotal:					\$ 3,023,032
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 90,691
✓	Traffic Control			3%	\$ 90,691
✓	Pavement Markings/Markers			2%	\$ 60,461
✓	Roadway Drainage	Standard Internal System		20%	\$ 604,606
✓	Illumination			3%	\$ 80,284
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 870,750	\$ 870,750
✓	Water/Sewer	Minor Adjustments		7%	\$ 211,612
✓	Establish Turf / Erosion Control			1%	\$ 30,230
✓	Basic Landscaping			2%	\$ 60,461
✓	Other:	Railroad Crossing		\$1,000,000	\$ 1,000,000
Allowance Subtotal:					\$ 3,099,786
Paving and Allowance Subtotal:					\$ 6,122,818
Construction Contingency:					15% \$ 768,423
Construction Cost TOTAL:					\$ 6,892,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,892,000
Engineering/Survey/Testing:		18%	\$ 1,240,560
Mobilization		5%	\$ 344,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,378,400
Impact Fee Project Cost TOTAL:			\$ 9,856,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-2	
Name:	Altamesa (5)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	Lana to 600' E of Lana				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	600				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,233	cy	\$ 38.00	\$ 46,867
241	6" Lime Stabilization (with Lime @ 32#/sy)	2,400	sy	\$ 8.00	\$ 19,200
341	11" Concrete Pavement	2,267	sy	\$ 120.00	\$ 272,000
441	6" Curb and Gutter	1,200	lf	\$ 15.00	\$ 18,000
541	4" Topsoil	1,733	sy	\$ 5.00	\$ 8,667
641	10' Concrete Sidewalk	12,000	sf	\$ 10.00	\$ 120,000
739	Auxiliary Lanes and Median Openings Allotment	102	sf	\$ 128.00	\$ 13,091
Paving Construction Cost Subtotal:					\$ 497,824
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 14,935
✓	Traffic Control			3%	\$ 14,935
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 9,956
✓	Roadway Drainage			20%	\$ 99,565
✓	Illumination			3%	\$ 13,221
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 34,848
✓	Establish Turf / Erosion Control			1%	\$ 4,978
✓	Basic Landscaping			2%	\$ 9,956
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 202,394
Paving and Allowance Subtotal:					\$ 700,218
Construction Contingency:					15% \$ 105,033
Construction Cost TOTAL:					\$ 806,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 806,000
Engineering/Survey/Testing:		18%	\$ 145,080
Mobilization		5%	\$ 40,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 161,200
Impact Fee Project Cost TOTAL:			\$ 1,153,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-3	
Name:	Altamesa (6)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	600' E of Lana to 650' W of Forest Hill				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	1,805				
Service Area(s):	X, Forest Hill				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	3,710	cy	\$ 38.00	\$ 140,991
241	6" Lime Stabilization (with Lime @ 32#/sy)	7,220	sy	\$ 8.00	\$ 57,760
341	11" Concrete Pavement	6,819	sy	\$ 120.00	\$ 818,267
441	6" Curb and Gutter	3,610	lf	\$ 15.00	\$ 54,150
541	4" Topsoil	5,214	sy	\$ 5.00	\$ 26,072
641	10' Concrete Sidewalk	36,100	sf	\$ 10.00	\$ 361,000
739	Auxiliary Lanes and Median Openings Allotment	308	sf	\$ 128.00	\$ 39,382
Paving Construction Cost Subtotal:					\$ 1,497,621
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	44,929
✓	Traffic Control	None Anticipated	3%	\$	44,929
✓	Pavement Markings/Markers		2%	\$	29,952
✓	Roadway Drainage	Standard Internal System	20%	\$	299,524
✓	Illumination		3%	\$	39,773
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	104,833
✓	Establish Turf / Erosion Control		1%	\$	14,976
✓	Basic Landscaping		2%	\$	29,952
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 608,869
Paving and Allowance Subtotal:					\$ 2,106,490
Construction Contingency:					15% \$ 315,974
Construction Cost TOTAL:					\$ 2,423,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,423,000
Engineering/Survey/Testing:		18%	\$ 436,140
Mobilization		5%	\$ 121,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 484,600
Impact Fee Project Cost TOTAL:			\$ 3,465,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-4
Name:	Altamesa (7)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	650' W of Forest Hill to Forest Hill			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	650			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,336	cy	\$ 38.00	\$ 50,772
241	6" Lime Stabilization (with Lime @ 32#/sy)	2,600	sy	\$ 8.00	\$ 20,800
341	11" Concrete Pavement	2,456	sy	\$ 120.00	\$ 294,667
441	6" Curb and Gutter	1,300	lf	\$ 15.00	\$ 19,500
541	4" Topsoil	1,878	sy	\$ 5.00	\$ 9,389
641	10' Concrete Sidewalk	13,000	sf	\$ 10.00	\$ 130,000
739	Auxiliary Lanes and Median Openings Allotment	111	sf	\$ 128.00	\$ 14,182
Paving Construction Cost Subtotal:					\$ 539,310
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 16,179
✓	Traffic Control			3%	\$ 16,179
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 10,786
✓	Roadway Drainage			20%	\$ 107,862
✓	Illumination			3%	\$ 14,323
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 37,752
✓	Establish Turf / Erosion Control			1%	\$ 5,393
✓	Basic Landscaping			2%	\$ 10,786
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 219,260
Paving and Allowance Subtotal:					\$ 758,570
Construction Contingency:					15% \$ 113,785
Construction Cost TOTAL:					\$ 873,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 873,000
Engineering/Survey/Testing:		18%	\$ 157,140
Mobilization		5%	\$ 43,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 174,600
Impact Fee Project Cost TOTAL:			\$ 1,248,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-5
Name:	Joel East	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided commercial connector.		
Limits:	Oak Grove to Wichita			
Impact Fee Class:	CCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Commercial Connector			
Length (lf):	5,805			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
139	Unclassified Street Excavation	12,578	cy	\$ 38.00	\$ 477,945
239	6" Lime Stabilization (with Lime @ 32#/sy)	24,510	sy	\$ 8.00	\$ 196,080
339	11" Concrete Pavement	23,220	sy	\$ 120.00	\$ 2,786,400
439	6" Curb and Gutter	11,610	lf	\$ 15.00	\$ 174,150
539	4" Topsoil	15,480	sy	\$ 5.00	\$ 77,400
639	10' Concrete Sidewalk	116,100	sf	\$ 10.00	\$ 1,161,000
737	Auxiliary Lanes and Median Openings Allotment	989	sf	\$ 128.00	\$ 126,655
Paving Construction Cost Subtotal:					\$ 4,999,630
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 149,989
✓	Traffic Control			3%	\$ 149,989
✓	Pavement Markings/Markers			2%	\$ 99,993
✓	Roadway Drainage	Standard Internal System		20%	\$ 999,926
✓	Illumination			3%	\$ 132,777
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 349,974
✓	Establish Turf / Erosion Control			1%	\$ 49,996
✓	Basic Landscaping			2%	\$ 99,993
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,032,636
Paving and Allowance Subtotal:					\$ 7,032,266
Construction Contingency:					15% \$ 1,054,840
Construction Cost TOTAL:					\$ 8,088,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,088,000
Engineering/Survey/Testing:		18%	\$ 1,455,840
Mobilization		5%	\$ 404,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 808,800
Impact Fee Project Cost TOTAL:			\$ 10,757,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-6
Name:	Everman Kennedale (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Anglin to 190' E of Anglin			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	190			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	391	cy	\$ 38.00	\$ 14,841
241	6" Lime Stabilization (with Lime @ 32#/sy)	760	sy	\$ 8.00	\$ 6,080
341	11" Concrete Pavement	718	sy	\$ 120.00	\$ 86,133
441	6" Curb and Gutter	380	lf	\$ 15.00	\$ 5,700
541	4" Topsoil	549	sy	\$ 5.00	\$ 2,744
641	10' Concrete Sidewalk	3,800	sf	\$ 10.00	\$ 38,000
739	Auxiliary Lanes and Median Openings Allotment	32	sf	\$ 128.00	\$ 4,145
Paving Construction Cost Subtotal:					\$ 157,644
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 4,729
✓	Traffic Control			3%	\$ 4,729
✓	Pavement Markings/Markers			2%	\$ 3,153
✓	Roadway Drainage	Standard Internal System		20%	\$ 31,529
✓	Illumination			3%	\$ 4,187
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 731,500	\$ 731,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 11,035
✓	Establish Turf / Erosion Control			1%	\$ 1,576
✓	Basic Landscaping			2%	\$ 3,153
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 795,591
Paving and Allowance Subtotal:					\$ 953,236
Construction Contingency:					15% \$ 142,985
Construction Cost TOTAL:					\$ 1,097,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,097,000
Engineering/Survey/Testing:		18%	\$ 197,460
Mobilization		5%	\$ 54,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 109,700
Impact Fee Project Cost TOTAL:			\$ 1,459,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-7	
Name:	Everman Kennedale (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	2670' E of Anglin to 3645' E of Anglin				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	975				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	2,004	cy	\$ 38.00	\$ 76,158
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,900	sy	\$ 8.00	\$ 31,200
341	11" Concrete Pavement	3,683	sy	\$ 120.00	\$ 442,000
441	6" Curb and Gutter	1,950	lf	\$ 15.00	\$ 29,250
541	4" Topsoil	2,817	sy	\$ 5.00	\$ 14,083
641	10' Concrete Sidewalk	19,500	sf	\$ 10.00	\$ 195,000
739	Auxiliary Lanes and Median Openings Allotment	166	sf	\$ 128.00	\$ 21,273
Paving Construction Cost Subtotal:					\$ 808,964
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	24,269
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	24,269
✓	Pavement Markings/Markers		2%	\$	16,179
✓	Roadway Drainage	Standard Internal System	20%	\$	161,793
✓	Illumination		3%	\$	21,484
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 3,000,000	\$	3,000,000
✓	Water/Sewer	Minor Adjustments	7%	\$	56,628
✓	Establish Turf / Erosion Control		1%	\$	8,090
✓	Basic Landscaping		2%	\$	16,179
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 3,328,890
Paving and Allowance Subtotal:					\$ 4,137,855
Construction Contingency:					15% \$ 620,678
Construction Cost TOTAL:					\$ 4,759,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,759,000
Engineering/Survey/Testing:		18%	\$ 856,620
Mobilization		5%	\$ 237,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 475,900
Impact Fee Project Cost TOTAL:			\$ 6,329,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-8	
Name:	Everman Kennedale (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	3645' E of Anglin to 5350' W of Anglin				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	1,705				
Service Area(s):	X, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	3,505	cy	\$ 38.00	\$ 133,179
241	6" Lime Stabilization (with Lime @ 32#/sy)	6,820	sy	\$ 8.00	\$ 54,560
341	11" Concrete Pavement	6,441	sy	\$ 120.00	\$ 772,933
441	6" Curb and Gutter	3,410	lf	\$ 15.00	\$ 51,150
541	4" Topsoil	4,926	sy	\$ 5.00	\$ 24,628
641	10' Concrete Sidewalk	34,100	sf	\$ 10.00	\$ 341,000
739	Auxiliary Lanes and Median Openings Allotment	291	sf	\$ 128.00	\$ 37,200
Paving Construction Cost Subtotal:					\$ 1,414,651
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	42,440
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	42,440
✓	Pavement Markings/Markers		2%	\$	28,293
✓	Roadway Drainage	Standard Internal System	20%	\$	282,930
✓	Illumination		3%	\$	37,569
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 500,500	\$	500,500
✓	Water/Sewer	Minor Adjustments	7%	\$	99,026
✓	Establish Turf / Erosion Control		1%	\$	14,147
✓	Basic Landscaping		2%	\$	28,293
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,075,637
Paving and Allowance Subtotal:					\$ 2,490,287
Construction Contingency:					15% \$ 373,543
Construction Cost TOTAL:					\$ 2,864,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,864,000
Engineering/Survey/Testing:		18%	\$ 515,520
Mobilization		5%	\$ 143,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 286,400
Impact Fee Project Cost TOTAL:			\$ 3,809,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-9	
Name:	Enon	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	2635' W of Anglin to Angling				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	2,635				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	5,416	cy	\$ 38.00	\$ 205,823
241	6" Lime Stabilization (with Lime @ 32#/sy)	10,540	sy	\$ 8.00	\$ 84,320
341	11" Concrete Pavement	9,954	sy	\$ 120.00	\$ 1,194,533
441	6" Curb and Gutter	5,270	lf	\$ 15.00	\$ 79,050
541	4" Topsoil	7,612	sy	\$ 5.00	\$ 38,061
641	10' Concrete Sidewalk	52,700	sf	\$ 10.00	\$ 527,000
739	Auxiliary Lanes and Median Openings Allotment	449	sf	\$ 128.00	\$ 57,491
Paving Construction Cost Subtotal:					\$ 2,186,278
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	65,588
✓	Traffic Control		3%	\$	65,588
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	43,726
✓	Roadway Drainage		20%	\$	437,256
✓	Illumination		3%	\$	58,062
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,347,500	\$	1,347,500
✓	Water/Sewer	Minor Adjustments	7%	\$	153,039
✓	Establish Turf / Erosion Control		1%	\$	21,863
✓	Basic Landscaping		2%	\$	43,726
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 2,236,347
Paving and Allowance Subtotal:					\$ 4,422,626
Construction Contingency:					15% \$ 663,394
Construction Cost TOTAL:					\$ 5,087,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,087,000
Engineering/Survey/Testing:		18%	\$ 915,660
Mobilization		5%	\$ 254,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 508,700
Impact Fee Project Cost TOTAL:			\$ 6,766,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No. X-10, Z-1		
Name:	Everman	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Butterwick to Cameron Hill				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,980				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	8,609	cy	\$ 38.00	\$ 327,138
230	6" Lime Stabilization (with Lime @ 32#/sy)	16,556	sy	\$ 8.00	\$ 132,444
330	11" Concrete Pavement	15,231	sy	\$ 120.00	\$ 1,827,733
430	6" Curb and Gutter	11,920	lf	\$ 15.00	\$ 178,800
530	4" Topsoil	14,569	sy	\$ 5.00	\$ 72,844
630	10' Concrete Sidewalk	59,600	sf	\$ 10.00	\$ 596,000
728	Auxiliary Lanes and Median Openings Allotment	1,197	sf	\$ 128.00	\$ 153,154
Paving Construction Cost Subtotal:					\$ 3,288,114
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	98,643
✓	Traffic Control		3%	\$	98,643
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	65,762
✓	Roadway Drainage		20%	\$	657,623
✓	Illumination		3%	\$	87,324
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,419,000	\$	1,419,000
✓	Water/Sewer	Minor Adjustments	7%	\$	230,168
✓	Establish Turf / Erosion Control		1%	\$	32,881
✓	Basic Landscaping		2%	\$	65,762
✓	Other:		Grade Separated RR Crossing	\$6,000,000	\$
Allowance Subtotal:					\$ 8,755,807
Paving and Allowance Subtotal:					\$ 12,043,921
Construction Contingency:					15% \$ 906,588
Construction Cost TOTAL:					\$ 12,951,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,951,000
Engineering/Survey/Testing:		18%	\$ 2,331,180
Mobilization		5%	\$ 647,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,590,200
Impact Fee Project Cost TOTAL:			\$ 18,520,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-11
Name:	Hemphill (1)	This project consists of the widening and reconstruction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Sunderland to Sycamore School			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,150			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	5,994	cy	\$ 38.00	\$ 227,789
231	6" Lime Stabilization (with Lime @ 32#/sy)	11,528	sy	\$ 8.00	\$ 92,222
331	11" Concrete Pavement	10,606	sy	\$ 120.00	\$ 1,272,667
431	6" Curb and Gutter	8,300	lf	\$ 15.00	\$ 124,500
531	4" Topsoil	10,144	sy	\$ 5.00	\$ 50,722
631	10' Concrete Sidewalk	41,500	sf	\$ 10.00	\$ 415,000
729	Auxiliary Lanes and Median Openings Allotment	1,666	sf	\$ 128.00	\$ 213,285
Paving Construction Cost Subtotal:					\$ 2,396,185
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 71,886
✓	Traffic Control			3%	\$ 71,886
✓	Pavement Markings/Markers			2%	\$ 47,924
✓	Roadway Drainage	Standard Internal System		20%	\$ 479,237
✓	Illumination			3%	\$ 63,636
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 167,733
✓	Establish Turf / Erosion Control			1%	\$ 23,962
✓	Basic Landscaping			2%	\$ 47,924
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 974,187
Paving and Allowance Subtotal:					\$ 3,370,371
Construction Contingency:					15% \$ 505,556
Construction Cost TOTAL:					\$ 3,876,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,876,000
Engineering/Survey/Testing:		18%	\$ 697,680
Mobilization		5%	\$ 193,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 387,600
Impact Fee Project Cost TOTAL:			\$ 5,155,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-12
Name:	Hemphill (2)	This project consists of the widening and reconstruction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	360' S of Sycamore School to 815' N of Everman			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,185			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,156	cy	\$ 38.00	\$ 119,932
231	6" Lime Stabilization (with Lime @ 32#/sy)	6,069	sy	\$ 8.00	\$ 48,556
331	11" Concrete Pavement	5,584	sy	\$ 120.00	\$ 670,067
431	6" Curb and Gutter	4,370	lf	\$ 15.00	\$ 65,550
531	4" Topsoil	5,341	sy	\$ 5.00	\$ 26,706
631	10' Concrete Sidewalk	21,850	sf	\$ 10.00	\$ 218,500
729	Auxiliary Lanes and Median Openings Allotment	877	sf	\$ 128.00	\$ 112,296
Paving Construction Cost Subtotal:					\$ 1,261,606
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 37,848
✓	Traffic Control			3%	\$ 37,848
✓	Pavement Markings/Markers			2%	\$ 25,232
✓	Roadway Drainage	Standard Internal System		20%	\$ 252,321
✓	Illumination			3%	\$ 33,505
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 165,000	\$ 165,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 88,312
✓	Establish Turf / Erosion Control			1%	\$ 12,616
✓	Basic Landscaping			2%	\$ 25,232
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 677,915
Paving and Allowance Subtotal:					\$ 1,939,521
Construction Contingency:					15% \$ 290,928
Construction Cost TOTAL:					\$ 2,231,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,231,000
Engineering/Survey/Testing:		18%	\$ 401,580
Mobilization		5%	\$ 111,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 223,100
Impact Fee Project Cost TOTAL:			\$ 2,967,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-13
Name:	Hemphill (3)	This project consists of the construction of a new four-lane divided neighborhood connector.		
Limits:	815' N of Everman to Everman			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	815			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	2,354	cy	\$ 38.00	\$ 89,469
230	6" Lime Stabilization (with Lime @ 32#/sy)	4,528	sy	\$ 8.00	\$ 36,222
330	11" Concrete Pavement	4,166	sy	\$ 120.00	\$ 499,867
430	6" Curb and Gutter	3,260	lf	\$ 15.00	\$ 48,900
530	4" Topsoil	3,984	sy	\$ 5.00	\$ 19,922
630	10' Concrete Sidewalk	16,300	sf	\$ 10.00	\$ 163,000
728	Auxiliary Lanes and Median Openings Allotment	327	sf	\$ 128.00	\$ 41,886
Paving Construction Cost Subtotal:					\$ 899,266
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 26,978
✓	Traffic Control			3%	\$ 26,978
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 17,985
✓	Roadway Drainage			20%	\$ 179,853
✓	Illumination			3%	\$ 23,882
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 62,949
✓	Establish Turf / Erosion Control			1%	\$ 8,993
✓	Basic Landscaping			2%	\$ 17,985
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 365,603
Paving and Allowance Subtotal:					\$ 1,264,869
Construction Contingency:					15% \$ 189,730
Construction Cost TOTAL:					\$ 1,455,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,455,000
Engineering/Survey/Testing:		18%	\$ 261,900
Mobilization		5%	\$ 72,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 291,000
Impact Fee Project Cost TOTAL:			\$ 2,081,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-14
Name:	Oak Grove (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Engbald to Campus			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,830			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	5,287	cy	\$ 38.00	\$ 200,893
230	6" Lime Stabilization (with Lime @ 32#/sy)	10,167	sy	\$ 8.00	\$ 81,333
330	11" Concrete Pavement	9,353	sy	\$ 120.00	\$ 1,122,400
430	6" Curb and Gutter	7,320	lf	\$ 15.00	\$ 109,800
530	4" Topsoil	8,947	sy	\$ 5.00	\$ 44,733
630	10' Concrete Sidewalk	36,600	sf	\$ 10.00	\$ 366,000
728	Auxiliary Lanes and Median Openings Allotment	735	sf	\$ 128.00	\$ 94,051
Paving Construction Cost Subtotal:					\$ 2,019,211
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 60,576
✓	Traffic Control			3%	\$ 60,576
✓	Pavement Markings/Markers			2%	\$ 40,384
✓	Roadway Drainage	Standard Internal System		20%	\$ 403,842
✓	Illumination			3%	\$ 53,625
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 141,345
✓	Establish Turf / Erosion Control			1%	\$ 20,192
✓	Basic Landscaping			2%	\$ 40,384
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 820,925
Paving and Allowance Subtotal:					\$ 2,840,136
Construction Contingency:					15% \$ 426,020
Construction Cost TOTAL:					\$ 3,267,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,267,000
Engineering/Survey/Testing:		18%	\$ 588,060
Mobilization		5%	\$ 163,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 326,700
Impact Fee Project Cost TOTAL:			\$ 4,345,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-15
Name:	Oak Grove (2)	This project consists of the widening and reconstruction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	470' S of Altamesa to Railroad			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	525			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	788	cy	\$ 38.00	\$ 29,925
224	6" Lime Stabilization (with Lime @ 32#/sy)	1,517	sy	\$ 8.00	\$ 12,133
324	11" Concrete Pavement	1,400	sy	\$ 120.00	\$ 168,000
424	6" Curb and Gutter	1,050	lf	\$ 15.00	\$ 15,750
524	4" Topsoil	1,225	sy	\$ 5.00	\$ 6,125
624	10' Concrete Sidewalk	5,250	sf	\$ 10.00	\$ 52,500
722	Auxiliary Lanes and Median Openings Allotment	211	sf	\$ 128.00	\$ 26,982
Paving Construction Cost Subtotal:					\$ 311,415
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 9,342
✓	Traffic Control			3%	\$ 9,342
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 6,228
✓	Roadway Drainage			20%	\$ 62,283
✓	Illumination			3%	\$ 8,270
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 21,799
✓	Establish Turf / Erosion Control			1%	\$ 3,114
✓	Basic Landscaping			2%	\$ 6,228
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 126,608
Paving and Allowance Subtotal:					\$ 438,023
Construction Contingency:					15% \$ 65,703
Construction Cost TOTAL:					\$ 504,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 504,000
Engineering/Survey/Testing:		18%	\$ 90,720
Mobilization		5%	\$ 25,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 50,400
Impact Fee Project Cost TOTAL:			\$ 670,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-16
Name:	Oak Grove (3)	This project consists of the widening and reconstruction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	Railroad to Joel East			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,780			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	2,670	cy	\$ 38.00	\$ 101,460
224	6" Lime Stabilization (with Lime @ 32#/sy)	5,142	sy	\$ 8.00	\$ 41,138
324	11" Concrete Pavement	4,747	sy	\$ 120.00	\$ 569,600
424	6" Curb and Gutter	3,560	lf	\$ 15.00	\$ 53,400
524	4" Topsoil	4,153	sy	\$ 5.00	\$ 20,767
624	10' Concrete Sidewalk	17,800	sf	\$ 10.00	\$ 178,000
722	Auxiliary Lanes and Median Openings Allotment	715	sf	\$ 128.00	\$ 91,481
Paving Construction Cost Subtotal:					\$ 1,055,846
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 31,675
✓	Traffic Control			3%	\$ 31,675
✓	Pavement Markings/Markers			2%	\$ 21,117
✓	Roadway Drainage	Standard Internal System		20%	\$ 211,169
✓	Illumination			3%	\$ 28,040
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 73,909
✓	Establish Turf / Erosion Control			1%	\$ 10,558
✓	Basic Landscaping			2%	\$ 21,117
✓	Other:	Railroad Crossing		\$0	\$ 1,000,000
Allowance Subtotal:					\$ 1,429,262
Paving and Allowance Subtotal:					\$ 2,485,107
Construction Contingency:					15% \$ 222,766
Construction Cost TOTAL:					\$ 2,708,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,708,000
Engineering/Survey/Testing:		18%	\$ 487,440
Mobilization		5%	\$ 135,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 270,800
Impact Fee Project Cost TOTAL:			\$ 3,602,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No. X-17		
Name:	Oak Grove (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.			
Limits:	Joel East to Everman				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	6,600				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	22,367	cy	\$ 38.00	\$ 849,933
225	6" Lime Stabilization (with Lime @ 32#/sy)	44,000	sy	\$ 8.00	\$ 352,000
325	11" Concrete Pavement	42,533	sy	\$ 120.00	\$ 5,104,000
425	6" Curb and Gutter	13,200	lf	\$ 15.00	\$ 198,000
525	4" Topsoil	23,467	sy	\$ 5.00	\$ 117,333
625	10' Concrete Sidewalk	132,000	sf	\$ 10.00	\$ 1,320,000
723	Auxiliary Lanes and Median Openings Allotment	1,125	sf	\$ 128.00	\$ 144,000
Paving Construction Cost Subtotal:					\$ 8,085,267
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 242,558
✓	Traffic Control			3%	\$ 242,558
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 161,705
✓	Roadway Drainage			20%	\$ 1,617,053
✓	Illumination			3%	\$ 214,723
✓	Special Drainage Structures	Major Stream Crossing(s)		\$ 395,000	\$ 395,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 565,969
✓	Establish Turf / Erosion Control			1%	\$ 80,853
✓	Basic Landscaping			2%	\$ 161,705
	Other:			\$0	
Allowance Subtotal:					\$ 3,682,124
Paving and Allowance Subtotal:					\$ 11,767,391
Construction Contingency:					15% \$ 1,765,109
Construction Cost TOTAL:					\$ 13,533,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,533,000
Engineering/Survey/Testing:		18%	\$ 2,435,940
Mobilization		5%	\$ 676,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,353,300
Impact Fee Project Cost TOTAL:			\$ 17,999,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-18
Name:	Wichita (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	340' N of Altamesa to Joel East			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	1,040			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	3,120	cy	\$ 38.00	\$ 118,560
223	6" Lime Stabilization (with Lime @ 32#/sy)	6,009	sy	\$ 8.00	\$ 48,071
323	11" Concrete Pavement	5,547	sy	\$ 120.00	\$ 665,600
423	6" Curb and Gutter	4,160	lf	\$ 15.00	\$ 62,400
523	4" Topsoil	4,853	sy	\$ 5.00	\$ 24,267
623	10' Concrete Sidewalk	20,800	sf	\$ 10.00	\$ 208,000
721	Auxiliary Lanes and Median Openings Allotment	418	sf	\$ 128.00	\$ 53,450
Paving Construction Cost Subtotal:					\$ 1,180,347
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 35,410
✓	Traffic Control			3%	\$ 35,410
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 23,607
✓	Roadway Drainage			20%	\$ 236,069
✓	Illumination			3%	\$ 31,347
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 82,624
✓	Establish Turf / Erosion Control			1%	\$ 11,803
✓	Basic Landscaping			2%	\$ 23,607
	Other:			\$0	
Allowance Subtotal:					\$ 479,879
Paving and Allowance Subtotal:					\$ 1,660,226
Construction Contingency:					15% \$ 249,034
Construction Cost TOTAL:					\$ 1,910,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,910,000
Engineering/Survey/Testing:		18%	\$ 343,800
Mobilization		5%	\$ 95,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 191,000
Impact Fee Project Cost TOTAL:			\$ 2,540,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No. X-19		
Name:	Wichita (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.			
Limits:	Joel East to 960' S of Joel East				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	960				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,880	cy	\$ 38.00	\$ 109,440
223	6" Lime Stabilization (with Lime @ 32#/sy)	5,547	sy	\$ 8.00	\$ 44,373
323	11" Concrete Pavement	5,120	sy	\$ 120.00	\$ 614,400
423	6" Curb and Gutter	3,840	lf	\$ 15.00	\$ 57,600
523	4" Topsoil	4,480	sy	\$ 5.00	\$ 22,400
623	10' Concrete Sidewalk	19,200	sf	\$ 10.00	\$ 192,000
721	Auxiliary Lanes and Median Openings Allotment	385	sf	\$ 128.00	\$ 49,338
Paving Construction Cost Subtotal:					\$ 1,089,552
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	32,687
✓	Traffic Control		3%	\$	32,687
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	21,791
✓	Roadway Drainage		20%	\$	217,910
✓	Illumination		3%	\$	28,936
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	76,269
✓	Establish Turf / Erosion Control		1%	\$	10,896
✓	Basic Landscaping		2%	\$	21,791
	Other:		\$0		
Allowance Subtotal:					\$ 442,965
Paving and Allowance Subtotal:					\$ 1,532,517
Construction Contingency:					15% \$ 229,878
Construction Cost TOTAL:					\$ 1,763,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,763,000
Engineering/Survey/Testing:		18%	\$ 317,340
Mobilization		5%	\$ 88,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 176,300
Impact Fee Project Cost TOTAL:			\$ 2,345,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-20	
Name:	Forest Hill (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.			
Limits:	Lon Stephenson to 905' S of Hanna Ranch				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,790				
Service Area(s):	X				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,949	cy	\$ 38.00	\$ 416,058
230	6" Lime Stabilization (with Lime @ 32#/sy)	21,056	sy	\$ 8.00	\$ 168,444
330	11" Concrete Pavement	19,371	sy	\$ 120.00	\$ 2,324,533
430	6" Curb and Gutter	15,160	lf	\$ 15.00	\$ 227,400
530	4" Topsoil	18,529	sy	\$ 5.00	\$ 92,644
630	10' Concrete Sidewalk	75,800	sf	\$ 10.00	\$ 758,000
728	Auxiliary Lanes and Median Openings Allotment	1,522	sf	\$ 128.00	\$ 194,783
Paving Construction Cost Subtotal:					\$ 4,181,863
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	125,456
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	125,456
✓	Pavement Markings/Markers		2%	\$	83,637
✓	Roadway Drainage	Standard Internal System	20%	\$	836,373
✓	Illumination		3%	\$	111,059
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	292,730
✓	Establish Turf / Erosion Control		1%	\$	41,819
✓	Basic Landscaping		2%	\$	83,637
	Other:		\$0		
Allowance Subtotal:					\$ 1,700,167
Paving and Allowance Subtotal:					\$ 5,882,030
Construction Contingency:					15% \$ 882,305
Construction Cost TOTAL:					\$ 6,765,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,765,000
Engineering/Survey/Testing:		18%	\$ 1,217,700
Mobilization		5%	\$ 338,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 676,500
Impact Fee Project Cost TOTAL:			\$ 8,997,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/1/2022

Project Information:		Description:	Project No.	X-21
Name:	Anglin	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.		
Limits:	Lon Stephenson to Enon			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	5,270			
Service Area(s):	X			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,833	cy	\$ 38.00	\$ 411,646
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,080	sy	\$ 8.00	\$ 168,640
341	11" Concrete Pavement	19,909	sy	\$ 120.00	\$ 2,389,067
441	6" Curb and Gutter	10,540	lf	\$ 15.00	\$ 158,100
541	4" Topsoil	15,224	sy	\$ 5.00	\$ 76,122
641	10' Concrete Sidewalk	105,400	sf	\$ 10.00	\$ 1,054,000
739	Auxiliary Lanes and Median Openings Allotment	898	sf	\$ 128.00	\$ 114,982
Paving Construction Cost Subtotal:					\$ 4,372,556
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 131,177
✓	Traffic Control			3%	\$ 131,177
✓	Pavement Markings/Markers			2%	\$ 87,451
✓	Roadway Drainage	Standard Internal System		20%	\$ 874,511
✓	Illumination			3%	\$ 116,123
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 2,502,500	\$ 2,502,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 306,079
✓	Establish Turf / Erosion Control			1%	\$ 43,726
✓	Basic Landscaping			2%	\$ 87,451
	Other:			\$0	
Allowance Subtotal:					\$ 4,280,195
Paving and Allowance Subtotal:					\$ 8,652,751
Construction Contingency:					15% \$ 1,297,913
Construction Cost TOTAL:					\$ 9,951,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,951,000
Engineering/Survey/Testing:		18%	\$ 1,791,180
Mobilization		5%	\$ 497,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 995,100
Impact Fee Project Cost TOTAL:			\$ 13,235,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

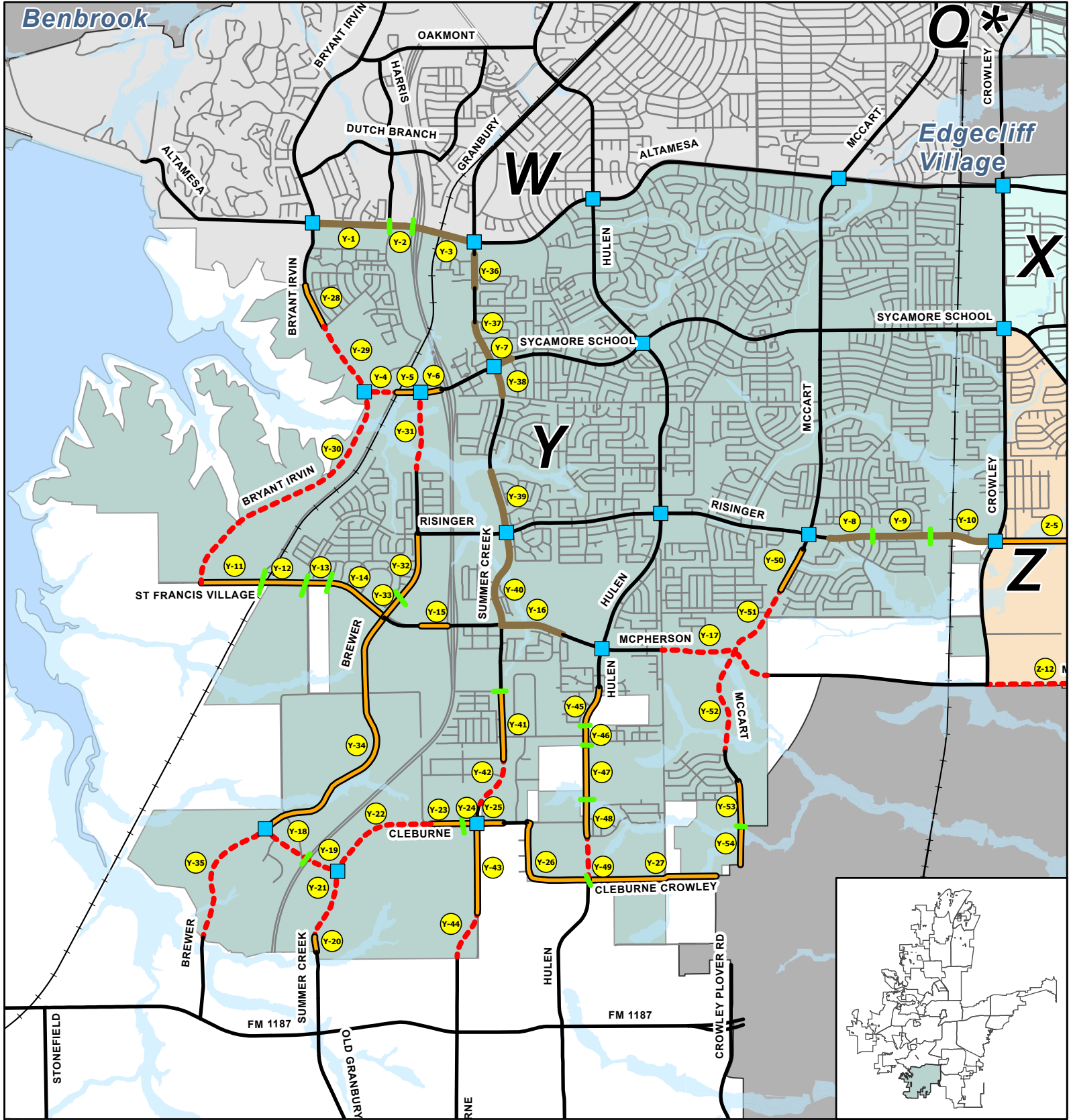
6/1/2022

Project Information:		Description:	Project No.	X-22	
Name:	Dick Price	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	1935' N of Shadey Ln to 310' S of Shadey Ln				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	2,245				
Service Area(s):	X, Kennedale				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,615	cy	\$ 38.00	\$ 175,359
241	6" Lime Stabilization (with Lime @ 32#/sy)	8,980	sy	\$ 8.00	\$ 71,840
341	11" Concrete Pavement	8,481	sy	\$ 120.00	\$ 1,017,733
441	6" Curb and Gutter	4,490	lf	\$ 15.00	\$ 67,350
541	4" Topsoil	6,486	sy	\$ 5.00	\$ 32,428
641	10' Concrete Sidewalk	44,900	sf	\$ 10.00	\$ 449,000
739	Auxiliary Lanes and Median Openings Allotment	383	sf	\$ 128.00	\$ 48,982
Paving Construction Cost Subtotal:					\$ 1,862,692
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	55,881
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	55,881
✓	Pavement Markings/Markers		2%	\$	37,254
✓	Roadway Drainage	Standard Internal System	20%	\$	372,538
✓	Illumination		3%	\$	49,468
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	130,388
✓	Establish Turf / Erosion Control		1%	\$	18,627
✓	Basic Landscaping		2%	\$	37,254
	Other:		\$0		
Allowance Subtotal:					\$ 757,291
Paving and Allowance Subtotal:					\$ 2,619,984
Construction Contingency:					15% \$ 392,998
Construction Cost TOTAL:					\$ 3,013,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,013,000
Engineering/Survey/Testing:		18%	\$ 542,340
Mobilization		5%	\$ 150,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 301,300
Impact Fee Project Cost TOTAL:			\$ 4,007,000

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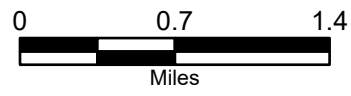
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |



Impact Fee TIP (SA Y)

Transportation Improvements Plan



May 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area Y

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
Y-1	NCO (E)	Altamesa (1)	Bryant Irvin to Harris	Previous	50%	\$ 3,836,753	\$ 1,918,377
Y-2	NCO (E)	Altamesa (2)	Harris to Chisholm Trail SBFR	Previous	50%	\$ 1,142,863	\$ 571,431
Y-3	NCO (E)	Altamesa (3)	Chisholm Trail SBFR to Granbury	Previous	50%	\$ 3,183,689	\$ 1,591,844
Y-4	CMU-L2-T0-TWLT-PO-BLC (110)	Columbus (1)	Bryant Irvin (Future) to Old Granbury	New	100%	\$ 3,524,000	\$ 3,524,000
Y-5	CMU-L2-T0-TWLT-PO-BLC (110)	Columbus (2)	Old Granbury to Brewer (Future)	Widening	100%	\$ 4,561,000	\$ 4,561,000
Y-6	CCO-L2-T0-NTMS-PO-BOP (110)	Columbus (3)	Brewer (Future) to Chisholm Trail SBFR	Widening	100%	\$ 1,784,000	\$ 1,784,000
Y-7	CCO (E)	Sycamore School	Summer Creek to Creek Meadows	Previous	100%	\$ 182,692	\$ 182,692
Y-8	SYS-L2-T0-NTMS-PO-BOP (110)	Risinger (1)	760' E of McCart to Poynter	Recent	100%	\$ 3,157,769	\$ 3,157,769
Y-9	SYS-L2-T0-NTMS-PO-BOP (110)	Risinger (2)	Poynter to 275' E of Carolina	Recent	100%	\$ 4,343,580	\$ 4,343,580
Y-10	SYS-L2-T0-NTMS-PO-BOP (110)	Risinger (3)	275' E of Carolina to Crowley	Recent	100%	\$ 5,016,665	\$ 5,016,665
Y-11	CCO-L2-T0-TWLT-PO-BOP (110)	St Francis Village	2175' W of Old Granbury to Old Granbury	Widening	50%	\$ 5,732,000	\$ 2,866,000
Y-12	CCO-L2-T0-NTMS-PO-BOP (110)	McPherson (1)	Old Granbury to Risinger	Widening	100%	\$ 5,115,000	\$ 5,115,000
Y-13	CCO-L2-T0-NTMS-PO-BOP (110) (1/2)	McPherson (2)	Risinger to Hose Herd	Widening	50%	\$ 1,015,000	\$ 507,500
Y-14	CCO-L2-T0-NTMS-PO-BOP (110) (1/2)	McPherson (3)	Hose Herd to Brewer	Widening	100%	\$ 3,044,000	\$ 3,044,000
Y-15	CCO-L2-T0-NTMS-PO-BOP (110)	McPherson (4)	940' W of Chisholm Trail SBFR to Chisholm Trail SBFR	Widening	100%	\$ 2,296,000	\$ 2,296,000
Y-16	NCO-L2-T0-NTMS-PO-BLS (110)	McPherson (5)	Summer Creek to Willow Branch	Previous	100%	\$ 1,357,532	\$ 1,357,532
Y-17	NCO-L2-T0-NTMS-PO-BOP (110)	McPherson (6)	Cleburne to McCart	New	100%	\$ 10,516,000	\$ 10,516,000
Y-18	CCO-L2-T0-TWLT-PO-BOP (110)	Stewart Feltz (1)	Brewer to Chisholm Trail	New	100%	\$ 5,158,000	\$ 5,158,000
Y-19	CCO-L2-T0-TWLT-PO-BOP (110)	Stewart Feltz (2)	Chisholm Trail to Cleburne Crowley	New	100%	\$ 4,516,000	\$ 4,516,000
Y-20	CCO-L2-T0-TWLT-PO-BOP (110)	Summer Creek (1)	2515' S of Stewart Feltz to 3055' S of Stewart Feltz	Widening	100%	\$ 1,424,000	\$ 1,424,000
Y-21	CCO-L2-T0-TWLT-PO-BOP (110)	Summer Creek (2)	Stewart Feltz to 2515' S of Stewart Feltz	New	100%	\$ 7,127,000	\$ 7,127,000
Y-22	CCO-L2-T0-TWLT-PO-BOP (110)	Cleburne Crowley (1)	Stewart Feltz (Future) to Stewart Feltz (Existing)	New	100%	\$ 11,477,000	\$ 11,477,000
Y-23	NCO-L2-T0-TWLT-PO-BOP (110)	Cleburne Crowley (2)	Stewart Feltz (Existing) to 480' W of Cleburne	Widening	100%	\$ 2,966,000	\$ 2,966,000
Y-24	NCO-L2-T0-TWLT-PO-BOP (110)	Cleburne Crowley (3)	480' W of Cleburne to Cleburne	Widening	100%	\$ 1,233,000	\$ 1,233,000
Y-25	NCO-L1-T0-TWLT-PO-BOP (80)	Cleburne Crowley (4)	Cleburne to 945' E of Cleburne	Widening	50%	\$ 1,688,000	\$ 844,000
Y-26	NCO-L1-T0-TWLT-PO-BOP (80)	Cleburne Crowley (5)	Hulen to 4095' W of Hulen	Widening	100%	\$ 7,310,000	\$ 7,310,000
Y-27	NCO-L1-T0-TWLT-PO-BOP (80)	Cleburne Crowley (6)	Hulen to 4570' E of Hulen	Widening	100%	\$ 8,158,000	\$ 8,158,000
Y-28	NCO-L2-T0-NTMS-PO-BOP (110) (1/2)	Bryant Irvin (1)	2280' S of Altamesa to Tavolo	Widening	100%	\$ 2,000,000	\$ 2,000,000
Y-29	CMU-L2-T0-TWLT-PO-BLC (110)	Bryant Irvin (2)	Tavolo to Columbus (Future)	New	100%	\$ 8,301,000	\$ 8,301,000
Y-30	NCO-L2-T0-TWLT-PO-BOP (110)	Bryant Irvin (3)	Columbus (Future) to McPherson	New	100%	\$ 29,916,000	\$ 29,916,000
Y-31	CMU-L2-T0-TWLT-PO-BLC (110)	Brewer (1)	Columbus to 2740' S of Columbus	New	100%	\$ 12,049,000	\$ 12,049,000
Y-32	CCO-L2-T0-NTMS-PO-BOP (110) (1/2)	Brewer (2)	Risinger to Rockrose	Widening	100%	\$ 3,191,000	\$ 3,191,000
Y-33	CCO-L2-T0-NTMS-PO-BOP (110) (1/2)	Brewer (3)	Rockrose to McPherson	Widening	100%	\$ 1,092,000	\$ 1,092,000
Y-34	NCO-L2-T0-NTMS-PO-BOP (110) (1/2)	Brewer (4)	McPherson to Worth Creek Pkwy	Widening	100%	\$ 13,575,000	\$ 13,575,000
Y-35	NCO-L1-T0-TWLT-PO-BOP (80)	Brewer (5)	Stewart Feltz (Future) to 4935' S of Stewart Feltz	New	100%	\$ 11,118,000	\$ 11,118,000
Y-36	NCO (E)	Summer Creek (3)	445' S of Altamesa to 275' S of Mesa Springs	Previous	100%	\$ 1,807,652	\$ 1,807,652
Y-37	NCO (E)	Summer Creek (4)	Summer Meadows to Sycamore School	Previous	100%	\$ 465,526	\$ 465,526
Y-38	NCO (E)	Summer Creek (5)	Sycamore School to Columbus	Previous	100%	\$ 290,954	\$ 290,954
Y-39	NCO (E)	Summer Creek (6)	145' N of Summer Park to Risinger	Previous	100%	\$ 1,357,532	\$ 1,357,532
Y-40	NCO (E)	Summer Creek (7)	Risinger to McPherson	Previous	100%	\$ 2,133,265	\$ 2,133,265
Y-41	CCO-L2-T0-NTMS-PO-BLC (110) (1/2)	Summer Creek (8)	Sunflower Ridge to Posada	Widening	100%	\$ 2,133,265	\$ 2,133,265
Y-42	NCO-L2-T0-NTMS-PO-BLS (110)	Summer Creek (9)	Posada to 715' N of Cleburne Crowley	New	100%	\$ 4,893,000	\$ 4,893,000
Y-43	NCO-L2-T0-NTMS-PO-BLS (110)	Cleburne (1)	Cleburne Crowley to 3185' S of Cleburne Crowley	Widening	100%	\$ 7,690,000	\$ 7,690,000
Y-44	NCO-L2-T0-NTMS-PO-BLS (110)	Cleburne (2)	3185' S of Cleburne Crowley to 4930' S of Cleburne Crowley	New	100%	\$ 4,530,000	\$ 4,530,000
Y-45	NCO-L2-T0-TWLT-PO-BOP (110) (1/2)	Hulen (1)	Winnipeg to 335' N of Rancho Verde	Widening	100%	\$ 2,226,000	\$ 2,226,000
Y-46	NCO-L2-T0-TWLT-PO-BOP (110)	Hulen (2)	335' N of Rancho Verde to 330' S of Rancho Verde	Widening	100%	\$ 1,708,000	\$ 1,708,000
Y-47	NCO-L2-T0-TWLT-PO-BOP (110)	Hulen (3)	330' S of Rancho Verde to 735' N of Cleburne	Widening	100%	\$ 6,842,000	\$ 6,842,000
Y-48	NCO-L2-T0-TWLT-PO-BOP (110) (1/2)	Hulen (4)	715' N of Cleburne to Water Lily Ln	Widening	100%	\$ 2,312,000	\$ 2,312,000
Y-49	NCO-L1-T0-TWLT-PO-BOP (80)	Hulen (5)	Water Lily Ln to Cleburn Crowley Rd	New	100%	\$ 2,870,000	\$ 2,870,000
Y-50	SYS-L2-T0-NTMS-PO-BLS (110) (1/2)	McCart (1)	590' S of Risinger to 120' S of Cayman	Widening	100%	\$ 2,131,000	\$ 2,131,000
Y-51	SYS-L2-T0-NTMS-PO-BLS (110)	McCart (2)	120' S of Cayman to McPherson (Future)	New	100%	\$ 7,588,000	\$ 7,588,000
Y-52	NCO-L2-T0-TWLT-PO-BLS (110)	McCart (3)	McPherson (Future) to 140' N of Twinleaf	New	100%	\$ 12,247,000	\$ 12,247,000
Y-53	NCO-L2-T0-NTMS-PO-BLS (110) (1/2)	McCart (4)	Mountain Meadow to 1600' S of Mountain Meadow	Widening	100%	\$ 2,020,000	\$ 2,020,000
Y-54	NCO-L2-T0-TWLT-PO-BOP (110)	McCart (5)	1760' N of Cleburne Crowley to 380' No of Cleburne Crowley	Widening	50%	\$ 3,544,000	\$ 1,772,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Altamesa	FM 731	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Altamesa	Bryant Irvin	Rebuild	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	Altamesa	Granbury	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Altamesa	Hulen	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Altamesa	McCart	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Columbus Trail	Bryant Irvin	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Columbus Trail	Brewer	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Sycamore School	FM 731	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	McPherson	Hulen	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	Summer Creek	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	Hulen	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	McCart	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	FM 731	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Stewart Feltz	Brewer	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Stewart Feltz	Summer Creek	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	Cleburne Crowley	Cleburne	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Sycamore School	Summer Creek	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Sycamore School	Hulen	Retrofit	100%	\$ 2,500,000	\$ 2,500,000

NOTES:

- These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
- Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-1
Name:	Altamesa (1)	This project consists of the previously completed six-lane divided established neighborhood connector. The City contributed \$3,836,753 to this project.		
Limits:	Bryant Irvin to Harris			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	2,735			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	3,836,753

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-2
Name:	Altamesa (2)	This project consists of the previously completed six-lane divided established neighborhood connector. The City contributed \$1,142,863 to this project.		
Limits:	Harris to Chisholm Trail SBFR			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	825			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	1,142,863

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-3
Name:	Altamesa (3)	This project consists of the previously completed six-lane divided established neighborhood connector. The City contributed \$3,183,689 to this project.		
Limits:	Chisholm Trail SBFR to Granbury			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	2,265			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	3,183,689

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.
Name:	Columbus (1)	This project consists of the construction of a new five-lane undivided commerce/mixed-use street.	Y-4
Limits:	Bryant Irvin (Future) to Old Granbury		
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)		
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street		
Length (lf):	1,165		
Service Area(s):	Y		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	4,595	cy	\$ 38.00	\$ 174,621
227	6" Lime Stabilization (with Lime @ 32#/sy)	9,061	sy	\$ 8.00	\$ 72,489
327	11" Concrete Pavement	8,802	sy	\$ 120.00	\$ 1,056,267
427	6" Curb and Gutter	2,330	lf	\$ 15.00	\$ 34,950
527	4" Topsoil	3,883	sy	\$ 5.00	\$ 19,417
627	6' Concrete Sidewalk	13,980	sf	\$ 10.00	\$ 139,800
725	Auxiliary Lanes and Median Openings Allotment	199	sf	\$ 128.00	\$ 25,418
Paving Construction Cost Subtotal:					\$ 1,522,961
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 45,689
✓	Traffic Control			3%	\$ 45,689
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 30,459
✓	Roadway Drainage			20%	\$ 304,592
✓	Illumination			3%	\$ 40,446
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 106,607
✓	Establish Turf / Erosion Control			1%	\$ 15,230
✓	Basic Landscaping			2%	\$ 30,459
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 619,171
Paving and Allowance Subtotal:					\$ 2,142,132
Construction Contingency:					15% \$ 321,320
Construction Cost TOTAL:					\$ 2,464,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,464,000
Engineering/Survey/Testing:		18%	\$ 443,520
Mobilization		5%	\$ 123,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 492,800
Impact Fee Project Cost TOTAL:			\$ 3,524,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-5
Name:	Columbus (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commerce/mixed-use street.		
Limits:	Old Granbury to Brewer (Future)			
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)			
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street			
Length (lf):	840			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	3,313	cy	\$ 38.00	\$ 125,907
227	6" Lime Stabilization (with Lime @ 32#/sy)	6,533	sy	\$ 8.00	\$ 52,267
327	11" Concrete Pavement	6,347	sy	\$ 120.00	\$ 761,600
427	6" Curb and Gutter	1,680	lf	\$ 15.00	\$ 25,200
527	4" Topsoil	2,800	sy	\$ 5.00	\$ 14,000
627	6' Concrete Sidewalk	10,080	sf	\$ 10.00	\$ 100,800
725	Auxiliary Lanes and Median Openings Allotment	143	sf	\$ 128.00	\$ 18,327
Paving Construction Cost Subtotal:					\$ 1,098,101
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 32,943
✓	Traffic Control			3%	\$ 32,943
✓	Pavement Markings/Markers			2%	\$ 21,962
✓	Roadway Drainage	Standard Internal System		20%	\$ 219,620
✓	Illumination			3%	\$ 29,163
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 567,000	\$ 567,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 76,867
✓	Establish Turf / Erosion Control			1%	\$ 10,981
✓	Basic Landscaping			2%	\$ 21,962
✓	Other:	Railroad Crossing		\$1,000,000	\$ 1,000,000
Allowance Subtotal:					\$ 2,013,441
Paving and Allowance Subtotal:					\$ 3,111,541
Construction Contingency:					15% \$ 316,731
Construction Cost TOTAL:					\$ 3,429,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,429,000
Engineering/Survey/Testing:		18%	\$ 617,220
Mobilization		5%	\$ 171,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 342,900
Impact Fee Project Cost TOTAL:			\$ 4,561,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-6
Name:	Columbus (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	Brewer (Future) to Chisholm Trail SBFR			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	730			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,190	cy	\$ 38.00	\$ 83,220
223	6" Lime Stabilization (with Lime @ 32#/sy)	4,218	sy	\$ 8.00	\$ 33,742
323	11" Concrete Pavement	3,893	sy	\$ 120.00	\$ 467,200
423	6" Curb and Gutter	2,920	lf	\$ 15.00	\$ 43,800
523	4" Topsoil	3,407	sy	\$ 5.00	\$ 17,033
623	10' Concrete Sidewalk	14,600	sf	\$ 10.00	\$ 146,000
721	Auxiliary Lanes and Median Openings Allotment	293	sf	\$ 128.00	\$ 37,518
Paving Construction Cost Subtotal:					\$ 828,513
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 24,855
✓	Traffic Control			3%	\$ 24,855
✓	Pavement Markings/Markers			2%	\$ 16,570
✓	Roadway Drainage	Standard Internal System		20%	\$ 165,703
✓	Illumination			3%	\$ 22,003
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 57,996
✓	Establish Turf / Erosion Control			1%	\$ 8,285
✓	Basic Landscaping			2%	\$ 16,570
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 336,838
Paving and Allowance Subtotal:					\$ 1,165,351
Construction Contingency:					15% \$ 174,803
Construction Cost TOTAL:					\$ 1,341,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,341,000
Engineering/Survey/Testing:		18%	\$ 241,380
Mobilization		5%	\$ 67,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 134,100
Impact Fee Project Cost TOTAL:			\$ 1,784,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-7
Name:	Sycamore School	This project consists of the previously completed four-lane divided established commercial connector. The City contributed \$182,692 to this project.		
Limits:	Summer Creek to Creek Meadows			
Impact Fee Class:	CCO (E)			
Ultimate Class:	Established Commercial Connector			
Length (lf):	675			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	182,692

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-8
Name:	Risinger (1)	This project consists of the previously completed four-lane divided system link. The City contributed \$13,018,013 to the overall project (Y-8, Y-9, and Y-10). Overall, \$500,000 was contributed by impact fees. This segment accoiunts for 25% (\$3,283,898) of the overall project.		
Limits:	760' E of McCart to Poynter			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	1,495			
Service Area(s):	Y			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Total Project Cost:		-	\$	3,283,898
Previous City contribution			\$	(126,129)
Other				
Impact Fee Project Cost TOTAL:			\$	3,157,769

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-9
Name:	Risinger (2)	This project consists of the previously completed four-lane divided system link. The City contributed \$13,018,013 to the overall project (Y-8, Y-9, and Y-10). Overall, \$500,000 was contributed by impact fees. This segment accoiunts for 35% (\$4,343,580) of the overall project.		
Limits:	Poynter to 275' E of Carolina			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	2,055			
Service Area(s):	Y			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Construction:		-	\$	4,517,073
Previous City contribution			\$	(173,493)
Other				
Impact Fee Project Cost TOTAL:			\$	4,343,580

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-10
Name:	Risinger (3)	This project consists of the previously completed four-lane divided system link. The City contributed \$13,018,013 to the overall project (Y-8, Y-9, and Y-10). Overall, \$500,000 was contributed by impact fees. This segment accooints for 40% (\$5,217,042) of the overall project.		
Limits:	275' E of Carolina to Crowley			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	2,375			
Service Area(s):	Y			
Impact Fee Project Cost Summary				
Item Description	Notes:	Allowance	Item Cost	
Construction:		-	\$	5,217,042
Previous City contribution			\$	(200,377)
Other				
Impact Fee Project Cost TOTAL:			\$	5,016,665

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-11	
Name:	St Francis Village	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.			
Limits:	2175' W of Old Granbury to Old Granbury				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	2,175				
Service Area(s):	Y, ETJ				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	7,371	cy	\$ 38.00	\$ 280,092
225	6" Lime Stabilization (with Lime @ 32#/sy)	14,500	sy	\$ 8.00	\$ 116,000
325	11" Concrete Pavement	14,017	sy	\$ 120.00	\$ 1,682,000
425	6" Curb and Gutter	4,350	lf	\$ 15.00	\$ 65,250
525	4" Topsoil	7,733	sy	\$ 5.00	\$ 38,667
625	10' Concrete Sidewalk	43,500	sf	\$ 10.00	\$ 435,000
723	Auxiliary Lanes and Median Openings Allotment	371	sf	\$ 128.00	\$ 47,455
Paving Construction Cost Subtotal:					\$ 2,664,463
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	79,934
✓	Traffic Control		3%	\$	79,934
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	53,289
✓	Roadway Drainage		20%	\$	532,893
✓	Illumination		3%	\$	70,761
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	186,512
✓	Establish Turf / Erosion Control		1%	\$	26,645
✓	Basic Landscaping		2%	\$	53,289
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,083,257
Paving and Allowance Subtotal:					\$ 3,747,720
Construction Contingency:					15% \$ 562,158
Construction Cost TOTAL:					\$ 4,310,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,310,000
Engineering/Survey/Testing:		18%	\$ 775,800
Mobilization		5%	\$ 215,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 431,000
Impact Fee Project Cost TOTAL:			\$ 5,732,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		Y-12
Name:	McPherson (1)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	Old Granbury to Risinger				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	1,550				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	4,650	cy	\$ 38.00	\$ 176,700
223	6" Lime Stabilization (with Lime @ 32#/sy)	8,956	sy	\$ 8.00	\$ 71,644
323	11" Concrete Pavement	8,267	sy	\$ 120.00	\$ 992,000
423	6" Curb and Gutter	6,200	lf	\$ 15.00	\$ 93,000
523	4" Topsoil	7,233	sy	\$ 5.00	\$ 36,167
623	10' Concrete Sidewalk	31,000	sf	\$ 10.00	\$ 310,000
721	Auxiliary Lanes and Median Openings Allotment	622	sf	\$ 128.00	\$ 79,661
Paving Construction Cost Subtotal:					\$ 1,759,172
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	52,775
✓	Traffic Control		3%	\$	52,775
✓	Pavement Markings/Markers		2%	\$	35,183
✓	Roadway Drainage		20%	\$	351,834
✓	Illumination	Standard Internal System	3%	\$	46,719
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	123,142
✓	Establish Turf / Erosion Control		1%	\$	17,592
✓	Basic Landscaping		2%	\$	35,183
✓	Other:	Railroad Crossing	\$1,000,000	\$	1,000,000
Allowance Subtotal:					\$ 1,715,204
Paving and Allowance Subtotal:					\$ 3,474,376
Construction Contingency:					15% \$ 371,156
Construction Cost TOTAL:					\$ 3,846,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,846,000
Engineering/Survey/Testing:		18%	\$ 692,280
Mobilization		5%	\$ 192,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 384,600
Impact Fee Project Cost TOTAL:			\$ 5,115,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-13
Name:	McPherson (2)	This project consists of the construction of the southern lanes to complete the four-lane divided commercial connector.		
Limits:	Risinger to Hose Herd			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	795			
Service Area(s):	Y, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,193	cy	\$ 38.00	\$ 45,315
224	6" Lime Stabilization (with Lime @ 32#/sy)	2,297	sy	\$ 8.00	\$ 18,373
324	11" Concrete Pavement	2,120	sy	\$ 120.00	\$ 254,400
424	6" Curb and Gutter	1,590	lf	\$ 15.00	\$ 23,850
524	4" Topsoil	1,855	sy	\$ 5.00	\$ 9,275
624	10' Concrete Sidewalk	7,950	sf	\$ 10.00	\$ 79,500
722	Auxiliary Lanes and Median Openings Allotment	319	sf	\$ 128.00	\$ 40,858
Paving Construction Cost Subtotal:					\$ 471,572
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 14,147
✓	Traffic Control			3%	\$ 14,147
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 9,431
✓	Roadway Drainage			20%	\$ 94,314
✓	Illumination			3%	\$ 12,524
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 33,010
✓	Establish Turf / Erosion Control			1%	\$ 4,716
✓	Basic Landscaping			2%	\$ 9,431
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 191,721
Paving and Allowance Subtotal:					\$ 663,292
Construction Contingency:					15% \$ 99,494
Construction Cost TOTAL:					\$ 763,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 763,000
Engineering/Survey/Testing:		18%	\$ 137,340
Mobilization		5%	\$ 38,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 76,300
Impact Fee Project Cost TOTAL:			\$ 1,015,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-14	
Name:	McPherson (3)	This project consists of the construction of the southern lanes to complete the four-lane divided commercial connector.			
Limits:	Hose Herd to Brewer				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	2,385				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	3,578	cy	\$ 38.00	\$ 135,945
224	6" Lime Stabilization (with Lime @ 32#/sy)	6,890	sy	\$ 8.00	\$ 55,120
324	11" Concrete Pavement	6,360	sy	\$ 120.00	\$ 763,200
424	6" Curb and Gutter	4,770	lf	\$ 15.00	\$ 71,550
524	4" Topsoil	5,565	sy	\$ 5.00	\$ 27,825
624	10' Concrete Sidewalk	23,850	sf	\$ 10.00	\$ 238,500
722	Auxiliary Lanes and Median Openings Allotment	958	sf	\$ 128.00	\$ 122,575
Paving Construction Cost Subtotal:					\$ 1,414,715
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	42,441
✓	Traffic Control		3%	\$	42,441
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	28,294
✓	Roadway Drainage		20%	\$	282,943
✓	Illumination		3%	\$	37,571
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	99,030
✓	Establish Turf / Erosion Control		1%	\$	14,147
✓	Basic Landscaping		2%	\$	28,294
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 575,163
Paving and Allowance Subtotal:					\$ 1,989,877
Construction Contingency:					15% \$ 298,482
Construction Cost TOTAL:					\$ 2,289,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,289,000
Engineering/Survey/Testing:		18%	\$ 412,020
Mobilization		5%	\$ 114,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 228,900
Impact Fee Project Cost TOTAL:			\$ 3,044,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		Y-15
Name:	McPherson (4)		This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided commercial connector.		
Limits:	940' W of Chisholm Trail SBFR to Chisholm Trail SBFR				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	940				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	2,820	cy	\$ 38.00	\$ 107,160
223	6" Lime Stabilization (with Lime @ 32#/sy)	5,431	sy	\$ 8.00	\$ 43,449
323	11" Concrete Pavement	5,013	sy	\$ 120.00	\$ 601,600
423	6" Curb and Gutter	3,760	lf	\$ 15.00	\$ 56,400
523	4" Topsoil	4,387	sy	\$ 5.00	\$ 21,933
623	10' Concrete Sidewalk	18,800	sf	\$ 10.00	\$ 188,000
721	Auxiliary Lanes and Median Openings Allotment	377	sf	\$ 128.00	\$ 48,310
Paving Construction Cost Subtotal:					\$ 1,066,853
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	32,006
✓	Traffic Control		3%	\$	32,006
✓	Pavement Markings/Markers		2%	\$	21,337
✓	Roadway Drainage		20%	\$	213,371
✓	Illumination	Standard Internal System	3%	\$	28,333
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	74,680
✓	Establish Turf / Erosion Control		1%	\$	10,669
✓	Basic Landscaping		2%	\$	21,337
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 433,737
Paving and Allowance Subtotal:					\$ 1,500,589
Construction Contingency:					15% \$ 225,088
Construction Cost TOTAL:					\$ 1,726,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,726,000
Engineering/Survey/Testing:		18%	\$ 310,680
Mobilization		5%	\$ 86,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 172,600
Impact Fee Project Cost TOTAL:			\$ 2,296,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-16
Name:	McPherson (5)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$1,357,532 to this project.		
Limits:	Summer Creek to Willow Branch			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,240			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	1,357,532

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-17	
Name:	McPherson (6)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Cleburne to McCart				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	4,120				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	11,902	cy	\$ 38.00	\$ 452,284
230	6" Lime Stabilization (with Lime @ 32#/sy)	22,889	sy	\$ 8.00	\$ 183,111
330	11" Concrete Pavement	21,058	sy	\$ 120.00	\$ 2,526,933
430	6" Curb and Gutter	16,480	lf	\$ 15.00	\$ 247,200
530	4" Topsoil	20,142	sy	\$ 5.00	\$ 100,711
630	10' Concrete Sidewalk	82,400	sf	\$ 10.00	\$ 824,000
728	Auxiliary Lanes and Median Openings Allotment	1,654	sf	\$ 128.00	\$ 211,743
Paving Construction Cost Subtotal:					\$ 4,545,983
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	136,379
✓	Traffic Control		3%	\$	136,379
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	90,920
✓	Roadway Drainage		20%	\$	909,197
✓	Illumination		3%	\$	120,729
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	318,219
✓	Establish Turf / Erosion Control		1%	\$	45,460
✓	Basic Landscaping		2%	\$	90,920
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,848,203
Paving and Allowance Subtotal:					\$ 6,394,186
Construction Contingency:					15% \$ 959,128
Construction Cost TOTAL:					\$ 7,354,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,354,000
Engineering/Survey/Testing:		18%	\$ 1,323,720
Mobilization		5%	\$ 367,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,470,800
Impact Fee Project Cost TOTAL:			\$ 10,516,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-18
Name:	Stewart Feltz (1)	This project consists of the construction of a new five-lane undivided commercial connector.		
Limits:	Brewer to Chisholm Trail			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	1,820			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	6,168	cy	\$ 38.00	\$ 234,376
225	6" Lime Stabilization (with Lime @ 32#/sy)	12,133	sy	\$ 8.00	\$ 97,067
325	11" Concrete Pavement	11,729	sy	\$ 120.00	\$ 1,407,467
425	6" Curb and Gutter	3,640	lf	\$ 15.00	\$ 54,600
525	4" Topsoil	6,471	sy	\$ 5.00	\$ 32,356
625	10' Concrete Sidewalk	36,400	sf	\$ 10.00	\$ 364,000
723	Auxiliary Lanes and Median Openings Allotment	310	sf	\$ 128.00	\$ 39,709
Paving Construction Cost Subtotal:					\$ 2,229,574
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 66,887
✓	Traffic Control			3%	\$ 66,887
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 44,591
✓	Roadway Drainage			20%	\$ 445,915
✓	Illumination			3%	\$ 59,212
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 156,070
✓	Establish Turf / Erosion Control			1%	\$ 22,296
✓	Basic Landscaping			2%	\$ 44,591
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 906,449
Paving and Allowance Subtotal:					\$ 3,136,023
Construction Contingency:					15% \$ 470,403
Construction Cost TOTAL:					\$ 3,607,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,607,000
Engineering/Survey/Testing:		18%	\$ 649,260
Mobilization		5%	\$ 180,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 721,400
Impact Fee Project Cost TOTAL:			\$ 5,158,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-19	
Name:	Stewart Feltz (2)	This project consists of the construction of a new five-lane undivided commercial connector.			
Limits:	Chisholm Trail to Cleburne Crowley				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	1,195				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	4,050	cy	\$ 38.00	\$ 153,889
225	6" Lime Stabilization (with Lime @ 32#/sy)	7,967	sy	\$ 8.00	\$ 63,733
325	11" Concrete Pavement	7,701	sy	\$ 120.00	\$ 924,133
425	6" Curb and Gutter	2,390	lf	\$ 15.00	\$ 35,850
525	4" Topsoil	4,249	sy	\$ 5.00	\$ 21,244
625	10' Concrete Sidewalk	23,900	sf	\$ 10.00	\$ 239,000
723	Auxiliary Lanes and Median Openings Allotment	204	sf	\$ 128.00	\$ 26,073
Paving Construction Cost Subtotal:					\$ 1,463,923
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	43,918
✓	Traffic Control		3%	\$	43,918
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	29,278
✓	Roadway Drainage		20%	\$	292,785
✓	Illumination		3%	\$	38,878
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	102,475
✓	Establish Turf / Erosion Control		1%	\$	14,639
✓	Basic Landscaping		2%	\$	29,278
✓	Other:	Chisholm Trail Crossing	\$790,000	\$	790,000
Allowance Subtotal:					\$ 1,385,169
Paving and Allowance Subtotal:					\$ 2,849,092
Construction Contingency:					15% \$ 308,864
Construction Cost TOTAL:					\$ 3,158,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,158,000
Engineering/Survey/Testing:		18%	\$ 568,440
Mobilization		5%	\$ 157,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 631,600
Impact Fee Project Cost TOTAL:			\$ 4,516,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-20
Name:	Summer Creek (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided commercial connector.		
Limits:	2515' S of Stewart Feltz to 3055' S of Stewart Feltz			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	540			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	1,830	cy	\$ 38.00	\$ 69,540
225	6" Lime Stabilization (with Lime @ 32#/sy)	3,600	sy	\$ 8.00	\$ 28,800
325	11" Concrete Pavement	3,480	sy	\$ 120.00	\$ 417,600
425	6" Curb and Gutter	1,080	lf	\$ 15.00	\$ 16,200
525	4" Topsoil	1,920	sy	\$ 5.00	\$ 9,600
625	10' Concrete Sidewalk	10,800	sf	\$ 10.00	\$ 108,000
723	Auxiliary Lanes and Median Openings Allotment	92	sf	\$ 128.00	\$ 11,782
Paving Construction Cost Subtotal:					\$ 661,522
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 19,846
✓	Traffic Control			3%	\$ 19,846
✓	Pavement Markings/Markers			2%	\$ 13,230
✓	Roadway Drainage	Standard Internal System		20%	\$ 132,304
✓	Illumination			3%	\$ 17,568
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 46,307
✓	Establish Turf / Erosion Control			1%	\$ 6,615
✓	Basic Landscaping			2%	\$ 13,230
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 268,947
Paving and Allowance Subtotal:					\$ 930,468
Construction Contingency:					15% \$ 139,570
Construction Cost TOTAL:					\$ 1,071,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,071,000
Engineering/Survey/Testing:		18%	\$ 192,780
Mobilization		5%	\$ 53,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 107,100
Impact Fee Project Cost TOTAL:			\$ 1,424,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-21	
Name:	Summer Creek (2)	This project consists of the construction of a new five-lane undivided commercial connector.			
Limits:	Stewart Feltz to 2515' S of Stewart Feltz				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	2,515				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	8,523	cy	\$ 38.00	\$ 323,876
225	6" Lime Stabilization (with Lime @ 32#/sy)	16,767	sy	\$ 8.00	\$ 134,133
325	11" Concrete Pavement	16,208	sy	\$ 120.00	\$ 1,944,933
425	6" Curb and Gutter	5,030	lf	\$ 15.00	\$ 75,450
525	4" Topsoil	8,942	sy	\$ 5.00	\$ 44,711
625	10' Concrete Sidewalk	50,300	sf	\$ 10.00	\$ 503,000
723	Auxiliary Lanes and Median Openings Allotment	429	sf	\$ 128.00	\$ 54,873
Paving Construction Cost Subtotal:					\$ 3,080,977
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	92,429
✓	Traffic Control		3%	\$	92,429
✓	Pavement Markings/Markers		2%	\$	61,620
✓	Roadway Drainage	Standard Internal System	20%	\$	616,195
✓	Illumination		3%	\$	81,823
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	215,668
✓	Establish Turf / Erosion Control		1%	\$	30,810
✓	Basic Landscaping		2%	\$	61,620
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,252,594
Paving and Allowance Subtotal:					\$ 4,333,570
Construction Contingency: 15%					\$ 650,036
Construction Cost TOTAL:					\$ 4,984,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,984,000
Engineering/Survey/Testing:		18%	\$ 897,120
Mobilization		5%	\$ 249,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 996,800
Impact Fee Project Cost TOTAL:			\$ 7,127,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-22	
Name:	Cleburne Crowley (1)	This project consists of the construction of a new five-lane undivided commercial connector.			
Limits:	Stewart Feltz (Future) to Stewart Feltz (Existing)				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	4,050				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	13,725	cy	\$ 38.00	\$ 521,550
225	6" Lime Stabilization (with Lime @ 32#/sy)	27,000	sy	\$ 8.00	\$ 216,000
325	11" Concrete Pavement	26,100	sy	\$ 120.00	\$ 3,132,000
425	6" Curb and Gutter	8,100	lf	\$ 15.00	\$ 121,500
525	4" Topsoil	14,400	sy	\$ 5.00	\$ 72,000
625	10' Concrete Sidewalk	81,000	sf	\$ 10.00	\$ 810,000
723	Auxiliary Lanes and Median Openings Allotment	690	sf	\$ 128.00	\$ 88,364
Paving Construction Cost Subtotal:					\$ 4,961,414
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
√	Prep ROW	None Anticipated	3%	\$	148,842
√	Traffic Control		3%	\$	148,842
√	Pavement Markings/Markers	Standard Internal System	2%	\$	99,228
√	Roadway Drainage		20%	\$	992,283
√	Illumination		3%	\$	131,762
	Special Drainage Structures	None Anticipated	\$ -	\$	-
√	Water/Sewer	Minor Adjustments	7%	\$	347,299
√	Establish Turf / Erosion Control		1%	\$	49,614
√	Basic Landscaping		2%	\$	99,228
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 2,017,099
Paving and Allowance Subtotal:					\$ 6,978,513
Construction Contingency:					15% \$ 1,046,777
Construction Cost TOTAL:					\$ 8,026,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,026,000
Engineering/Survey/Testing:		18%	\$ 1,444,680
Mobilization		5%	\$ 401,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,605,200
Impact Fee Project Cost TOTAL:			\$ 11,477,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		Y-23
Name:	Cleburne Crowley (2)		This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	Stewart Feltz (Existing) to 480' W of Cleburne				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	1,155				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	3,786	cy	\$ 38.00	\$ 143,862
233	6" Lime Stabilization (with Lime @ 32#/sy)	7,443	sy	\$ 8.00	\$ 59,547
333	11" Concrete Pavement	7,187	sy	\$ 120.00	\$ 862,400
433	6" Curb and Gutter	2,310	lf	\$ 15.00	\$ 34,650
533	4" Topsoil	4,363	sy	\$ 5.00	\$ 21,817
633	10' Concrete Sidewalk	23,100	sf	\$ 10.00	\$ 231,000
731	Auxiliary Lanes and Median Openings Allotment	197	sf	\$ 128.00	\$ 25,200
Paving Construction Cost Subtotal:					\$ 1,378,475
Major Construction Component Allowances:					
Item Description		Notes	Allowance		Item Cost
✓	Prep ROW	Construction Phase Traffic Control	3%		\$ 41,354
✓	Traffic Control		3%		\$ 41,354
✓	Pavement Markings/Markers		2%		\$ 27,570
✓	Roadway Drainage	Standard Internal System	20%		\$ 275,695
✓	Illumination		3%		\$ 36,609
	Special Drainage Structures	None Anticipated	\$ -		\$ -
✓	Water/Sewer	Minor Adjustments	7%		\$ 96,493
✓	Establish Turf / Erosion Control		1%		\$ 13,785
✓	Basic Landscaping		2%		\$ 27,570
	Other:		\$0		\$ -
Allowance Subtotal:					\$ 560,429
Paving and Allowance Subtotal:					\$ 1,938,904
Construction Contingency:					15% \$ 290,836
Construction Cost TOTAL:					\$ 2,230,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,230,000
Engineering/Survey/Testing:		18%	\$ 401,400
Mobilization		5%	\$ 111,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 223,000
Impact Fee Project Cost TOTAL:			\$ 2,966,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-24	
Name:	Cleburne Crowley (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.			
Limits:	480' W of Cleburne to Cleburne				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	480				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,573	cy	\$ 38.00	\$ 59,787
233	6" Lime Stabilization (with Lime @ 32#/sy)	3,093	sy	\$ 8.00	\$ 24,747
333	11" Concrete Pavement	2,987	sy	\$ 120.00	\$ 358,400
433	6" Curb and Gutter	960	lf	\$ 15.00	\$ 14,400
533	4" Topsoil	1,813	sy	\$ 5.00	\$ 9,067
633	10' Concrete Sidewalk	9,600	sf	\$ 10.00	\$ 96,000
731	Auxiliary Lanes and Median Openings Allotment	82	sf	\$ 128.00	\$ 10,473
Paving Construction Cost Subtotal:					\$ 572,873
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	17,186
✓	Traffic Control		3%	\$	17,186
✓	Pavement Markings/Markers		2%	\$	11,457
✓	Roadway Drainage	Standard Internal System	20%	\$	114,575
✓	Illumination		3%	\$	15,214
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	40,101
✓	Establish Turf / Erosion Control		1%	\$	5,729
✓	Basic Landscaping		2%	\$	11,457
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 232,906
Paving and Allowance Subtotal:					\$ 805,778
Construction Contingency:					15% \$ 120,867
Construction Cost TOTAL:					\$ 927,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 927,000
Engineering/Survey/Testing:		18%	\$ 166,860
Mobilization		5%	\$ 46,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 92,700
Impact Fee Project Cost TOTAL:			\$ 1,233,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-25	
Name:	Cleburne Crowley (4)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	Cleburne to 945' E of Cleburne				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	945				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,943	cy	\$ 38.00	\$ 73,815
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,780	sy	\$ 8.00	\$ 30,240
341	11" Concrete Pavement	3,570	sy	\$ 120.00	\$ 428,400
441	6" Curb and Gutter	1,890	lf	\$ 15.00	\$ 28,350
541	4" Topsoil	2,730	sy	\$ 5.00	\$ 13,650
641	10' Concrete Sidewalk	18,900	sf	\$ 10.00	\$ 189,000
739	Auxiliary Lanes and Median Openings Allotment	161	sf	\$ 128.00	\$ 20,618
Paving Construction Cost Subtotal:					\$ 784,073
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	23,522
✓	Traffic Control		3%	\$	23,522
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	15,681
✓	Roadway Drainage		20%	\$	156,815
✓	Illumination		3%	\$	20,823
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	54,885
✓	Establish Turf / Erosion Control		1%	\$	7,841
✓	Basic Landscaping		2%	\$	15,681
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 318,771
Paving and Allowance Subtotal:					\$ 1,102,844
Construction Contingency:					15% \$ 165,427
Construction Cost TOTAL:					\$ 1,269,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,269,000
Engineering/Survey/Testing:		18%	\$ 228,420
Mobilization		5%	\$ 63,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 126,900
Impact Fee Project Cost TOTAL:			\$ 1,688,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-26	
Name:	Cleburne Crowley (5)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	Hulen to 4095' W of Hulen				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	4,095				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	8,418	cy	\$ 38.00	\$ 319,865
241	6" Lime Stabilization (with Lime @ 32#/sy)	16,380	sy	\$ 8.00	\$ 131,040
341	11" Concrete Pavement	15,470	sy	\$ 120.00	\$ 1,856,400
441	6" Curb and Gutter	8,190	lf	\$ 15.00	\$ 122,850
541	4" Topsoil	11,830	sy	\$ 5.00	\$ 59,150
641	10' Concrete Sidewalk	81,900	sf	\$ 10.00	\$ 819,000
739	Auxiliary Lanes and Median Openings Allotment	698	sf	\$ 128.00	\$ 89,345
Paving Construction Cost Subtotal:					\$ 3,397,650
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	101,930
✓	Traffic Control		3%	\$	101,930
✓	Pavement Markings/Markers		2%	\$	67,953
✓	Roadway Drainage	Standard Internal System	20%	\$	679,530
✓	Illumination		3%	\$	90,233
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	237,836
✓	Establish Turf / Erosion Control		1%	\$	33,977
✓	Basic Landscaping		2%	\$	67,953
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,381,340
Paving and Allowance Subtotal:					\$ 4,778,990
Construction Contingency:					15% \$ 716,849
Construction Cost TOTAL:					\$ 5,496,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,496,000
Engineering/Survey/Testing:		18%	\$ 989,280
Mobilization		5%	\$ 274,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 549,600
Impact Fee Project Cost TOTAL:			\$ 7,310,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.		Y-27
Name:	Cleburne Crowley (6)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	Hulen to 4570' E of Hulen				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	4,570				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	9,394	cy	\$ 38.00	\$ 356,968
241	6" Lime Stabilization (with Lime @ 32#/sy)	18,280	sy	\$ 8.00	\$ 146,240
341	11" Concrete Pavement	17,264	sy	\$ 120.00	\$ 2,071,733
441	6" Curb and Gutter	9,140	lf	\$ 15.00	\$ 137,100
541	4" Topsoil	13,202	sy	\$ 5.00	\$ 66,011
641	10' Concrete Sidewalk	91,400	sf	\$ 10.00	\$ 914,000
739	Auxiliary Lanes and Median Openings Allotment	779	sf	\$ 128.00	\$ 99,709
Paving Construction Cost Subtotal:					\$ 3,791,761
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 113,753
✓	Traffic Control			3%	\$ 113,753
✓	Pavement Markings/Markers			2%	\$ 75,835
✓	Roadway Drainage	Standard Internal System		20%	\$ 758,352
✓	Illumination			3%	\$ 100,699
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 265,423
✓	Establish Turf / Erosion Control			1%	\$ 37,918
✓	Basic Landscaping			2%	\$ 75,835
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,541,568
Paving and Allowance Subtotal:					\$ 5,333,330
Construction Contingency:					15% \$ 799,999
Construction Cost TOTAL:					\$ 6,134,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,134,000
Engineering/Survey/Testing:		18%	\$ 1,104,120
Mobilization		5%	\$ 306,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 613,400
Impact Fee Project Cost TOTAL:			\$ 8,158,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-28
Name:	Bryant Irvin (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	2280' S of Altamesa to Tavolo			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,610			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	2,326	cy	\$ 38.00	\$ 88,371
231	6" Lime Stabilization (with Lime @ 32#/sy)	4,472	sy	\$ 8.00	\$ 35,778
331	11" Concrete Pavement	4,114	sy	\$ 120.00	\$ 493,733
431	6" Curb and Gutter	3,220	lf	\$ 15.00	\$ 48,300
531	4" Topsoil	3,936	sy	\$ 5.00	\$ 19,678
631	10' Concrete Sidewalk	16,100	sf	\$ 10.00	\$ 161,000
729	Auxiliary Lanes and Median Openings Allotment	646	sf	\$ 128.00	\$ 82,744
Paving Construction Cost Subtotal:					\$ 929,604
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 27,888
✓	Traffic Control			3%	\$ 27,888
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 18,592
✓	Roadway Drainage			20%	\$ 185,921
✓	Illumination			3%	\$ 24,688
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 65,072
✓	Establish Turf / Erosion Control			1%	\$ 9,296
✓	Basic Landscaping			2%	\$ 18,592
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 377,937
Paving and Allowance Subtotal:					\$ 1,307,542
Construction Contingency:					15% \$ 196,131
Construction Cost TOTAL:					\$ 1,504,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,504,000
Engineering/Survey/Testing:		18%	\$ 270,720
Mobilization		5%	\$ 75,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 150,400
Impact Fee Project Cost TOTAL:			\$ 2,000,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-29	
Name:	Bryant Irvin (2)	This project consists of the construction of a new five-lane undivided commerce/mixed-use street.			
Limits:	Tavolo to Columbus (Future)				
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)				
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street				
Length (lf):	2,745				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	10,828	cy	\$ 38.00	\$ 411,445
227	6" Lime Stabilization (with Lime @ 32#/sy)	21,350	sy	\$ 8.00	\$ 170,800
327	11" Concrete Pavement	20,740	sy	\$ 120.00	\$ 2,488,800
427	6" Curb and Gutter	5,490	lf	\$ 15.00	\$ 82,350
527	4" Topsoil	9,150	sy	\$ 5.00	\$ 45,750
627	6' Concrete Sidewalk	32,940	sf	\$ 10.00	\$ 329,400
725	Auxiliary Lanes and Median Openings Allotment	468	sf	\$ 128.00	\$ 59,891
Paving Construction Cost Subtotal:					\$ 3,588,436
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	107,653
✓	Traffic Control		3%	\$	107,653
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	71,769
✓	Roadway Drainage		20%	\$	717,687
✓	Illumination		3%	\$	95,299
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	251,191
✓	Establish Turf / Erosion Control		1%	\$	35,884
✓	Basic Landscaping		2%	\$	71,769
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,458,905
Paving and Allowance Subtotal:					\$ 5,047,341
Construction Contingency:					15% \$ 757,101
Construction Cost TOTAL:					\$ 5,805,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,805,000
Engineering/Survey/Testing:		18%	\$ 1,044,900
Mobilization		5%	\$ 290,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,161,000
Impact Fee Project Cost TOTAL:			\$ 8,301,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-30	
Name:	Bryant Irvin (3)	This project consists of the construction of a new five-lane undivided neighborhood connector.			
Limits:	Columbus (Future) to McPherson				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	9,655				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	31,647	cy	\$ 38.00	\$ 1,202,584
233	6" Lime Stabilization (with Lime @ 32#/sy)	62,221	sy	\$ 8.00	\$ 497,769
333	11" Concrete Pavement	60,076	sy	\$ 120.00	\$ 7,209,067
433	6" Curb and Gutter	19,310	lf	\$ 15.00	\$ 289,650
533	4" Topsoil	36,474	sy	\$ 5.00	\$ 182,372
633	10' Concrete Sidewalk	193,100	sf	\$ 10.00	\$ 1,931,000
731	Auxiliary Lanes and Median Openings Allotment	1,646	sf	\$ 128.00	\$ 210,655
Paving Construction Cost Subtotal:					\$ 11,523,096
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
√	Prep ROW			3%	\$ 345,693
√	Traffic Control	None Anticipated		3%	\$ 345,693
√	Pavement Markings/Markers			2%	\$ 230,462
√	Roadway Drainage	Standard Internal System		20%	\$ 2,304,619
√	Illumination			3%	\$ 306,023
√	Special Drainage Structures	Major Drainage Crossing		\$ 1,982,750	\$ 1,982,750
√	Water/Sewer	Minor Adjustments		7%	\$ 806,617
√	Establish Turf / Erosion Control			1%	\$ 115,231
√	Basic Landscaping			2%	\$ 230,462
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 6,667,549
Paving and Allowance Subtotal:					\$ 18,190,645
Construction Contingency:					15% \$ 2,728,597
Construction Cost TOTAL:					\$ 20,920,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 20,920,000
Engineering/Survey/Testing:		18%	\$ 3,765,600
Mobilization		5%	\$ 1,046,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 4,184,000
Impact Fee Project Cost TOTAL:			\$ 29,916,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-31	
Name:	Brewer (1)	This project consists of the construction of a new five-lane undivided commerce/mixed-use street.			
Limits:	Columbus to 2740' S of Columbus				
Impact Fee Class:	CMU-L2-T0-TWLT-P0-BLC (110)				
Ultimate Class:	5 Lane Undivided Commerce/Mixed-Use Street				
Length (lf):	2,740				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
127	Unclassified Street Excavation	10,808	cy	\$ 38.00	\$ 410,696
227	6" Lime Stabilization (with Lime @ 32#/sy)	21,311	sy	\$ 8.00	\$ 170,489
327	11" Concrete Pavement	20,702	sy	\$ 120.00	\$ 2,484,267
427	6" Curb and Gutter	5,480	lf	\$ 15.00	\$ 82,200
527	4" Topsoil	9,133	sy	\$ 5.00	\$ 45,667
627	6' Concrete Sidewalk	32,880	sf	\$ 10.00	\$ 328,800
725	Auxiliary Lanes and Median Openings Allotment	467	sf	\$ 128.00	\$ 59,782
Paving Construction Cost Subtotal:					\$ 3,581,900
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 107,457
✓	Traffic Control			3%	\$ 107,457
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 71,638
✓	Roadway Drainage			20%	\$ 716,380
✓	Illumination			3%	\$ 95,126
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,288,250	\$ 2,288,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 250,733
✓	Establish Turf / Erosion Control			1%	\$ 35,819
✓	Basic Landscaping			2%	\$ 71,638
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,744,498
Paving and Allowance Subtotal:					\$ 7,326,397
Construction Contingency:					15% \$ 1,098,960
Construction Cost TOTAL:					\$ 8,426,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,426,000
Engineering/Survey/Testing:		18%	\$ 1,516,680
Mobilization		5%	\$ 421,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,685,200
Impact Fee Project Cost TOTAL:			\$ 12,049,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-32	
Name:	Brewer (2)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.			
Limits:	Risinger to Rockrose				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	2,500				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	3,750	cy	\$ 38.00	\$ 142,500
224	6" Lime Stabilization (with Lime @ 32#/sy)	7,222	sy	\$ 8.00	\$ 57,778
324	11" Concrete Pavement	6,667	sy	\$ 120.00	\$ 800,000
424	6" Curb and Gutter	5,000	lf	\$ 15.00	\$ 75,000
524	4" Topsoil	5,833	sy	\$ 5.00	\$ 29,167
624	10' Concrete Sidewalk	25,000	sf	\$ 10.00	\$ 250,000
722	Auxiliary Lanes and Median Openings Allotment	1,004	sf	\$ 128.00	\$ 128,485
Paving Construction Cost Subtotal:					\$ 1,482,929
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	44,488
✓	Traffic Control		3%	\$	44,488
✓	Pavement Markings/Markers		2%	\$	29,659
✓	Roadway Drainage	Standard Internal System	20%	\$	296,586
✓	Illumination		3%	\$	39,383
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	103,805
✓	Establish Turf / Erosion Control		1%	\$	14,829
✓	Basic Landscaping		2%	\$	29,659
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 602,896
Paving and Allowance Subtotal:					\$ 2,085,825
Construction Contingency:					15% \$ 312,874
Construction Cost TOTAL:					\$ 2,399,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,399,000
Engineering/Survey/Testing:		18%	\$ 431,820
Mobilization		5%	\$ 119,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 239,900
Impact Fee Project Cost TOTAL:			\$ 3,191,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-33
Name:	Brewer (3)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	Rockrose to McPherson			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	855			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	1,283	cy	\$ 38.00	\$ 48,735
224	6" Lime Stabilization (with Lime @ 32#/sy)	2,470	sy	\$ 8.00	\$ 19,760
324	11" Concrete Pavement	2,280	sy	\$ 120.00	\$ 273,600
424	6" Curb and Gutter	1,710	lf	\$ 15.00	\$ 25,650
524	4" Topsoil	1,995	sy	\$ 5.00	\$ 9,975
624	10' Concrete Sidewalk	8,550	sf	\$ 10.00	\$ 85,500
722	Auxiliary Lanes and Median Openings Allotment	343	sf	\$ 128.00	\$ 43,942
Paving Construction Cost Subtotal:					\$ 507,162
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 15,215
✓	Traffic Control			3%	\$ 15,215
✓	Pavement Markings/Markers			2%	\$ 10,143
✓	Roadway Drainage	Standard Internal System		20%	\$ 101,432
✓	Illumination			3%	\$ 13,469
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 35,501
✓	Establish Turf / Erosion Control			1%	\$ 5,072
✓	Basic Landscaping			2%	\$ 10,143
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 206,190
Paving and Allowance Subtotal:					\$ 713,352
Construction Contingency:					15% \$ 107,003
Construction Cost TOTAL:					\$ 821,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 821,000
Engineering/Survey/Testing:		18%	\$ 147,780
Mobilization		5%	\$ 41,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 82,100
Impact Fee Project Cost TOTAL:			\$ 1,092,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-34
Name:	Brewer (4)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	McPherson to Worth Creek Pkwy			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	10,065			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	14,538	cy	\$ 38.00	\$ 552,457
231	6" Lime Stabilization (with Lime @ 32#/sy)	27,958	sy	\$ 8.00	\$ 223,667
331	11" Concrete Pavement	25,722	sy	\$ 120.00	\$ 3,086,600
431	6" Curb and Gutter	20,130	lf	\$ 15.00	\$ 301,950
531	4" Topsoil	24,603	sy	\$ 5.00	\$ 123,017
631	10' Concrete Sidewalk	100,650	sf	\$ 10.00	\$ 1,006,500
729	Auxiliary Lanes and Median Openings Allotment	4,041	sf	\$ 128.00	\$ 517,280
Paving Construction Cost Subtotal:					\$ 5,811,470
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 174,344
✓	Traffic Control			3%	\$ 174,344
✓	Pavement Markings/Markers			2%	\$ 116,229
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,162,294
✓	Illumination			3%	\$ 154,337
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 701,250	\$ 701,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 406,803
✓	Establish Turf / Erosion Control			1%	\$ 58,115
✓	Basic Landscaping			2%	\$ 116,229
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,063,946
Paving and Allowance Subtotal:					\$ 8,875,416
Construction Contingency:					15% \$ 1,331,312
Construction Cost TOTAL:					\$ 10,207,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,207,000
Engineering/Survey/Testing:		18%	\$ 1,837,260
Mobilization		5%	\$ 510,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,020,700
Impact Fee Project Cost TOTAL:			\$ 13,575,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-35
Name:	Brewer (5)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Stewart Feltz (Future) to 4935' S of Stewart Feltz			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	4,935			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,144	cy	\$ 38.00	\$ 385,478
241	6" Lime Stabilization (with Lime @ 32#/sy)	19,740	sy	\$ 8.00	\$ 157,920
341	11" Concrete Pavement	18,643	sy	\$ 120.00	\$ 2,237,200
441	6" Curb and Gutter	9,870	lf	\$ 15.00	\$ 148,050
541	4" Topsoil	14,257	sy	\$ 5.00	\$ 71,283
641	10' Concrete Sidewalk	98,700	sf	\$ 10.00	\$ 987,000
739	Auxiliary Lanes and Median Openings Allotment	841	sf	\$ 128.00	\$ 107,673
Paving Construction Cost Subtotal:					\$ 4,094,604
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 122,838
✓	Traffic Control			3%	\$ 122,838
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 81,892
✓	Roadway Drainage			20%	\$ 818,921
✓	Illumination			3%	\$ 108,742
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,001,000	\$ 1,001,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 286,622
✓	Establish Turf / Erosion Control			1%	\$ 40,946
✓	Basic Landscaping			2%	\$ 81,892
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,665,691
Paving and Allowance Subtotal:					\$ 6,760,296
Construction Contingency:					15% \$ 1,014,044
Construction Cost TOTAL:					\$ 7,775,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,775,000
Engineering/Survey/Testing:		18%	\$ 1,399,500
Mobilization		5%	\$ 388,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,555,000
Impact Fee Project Cost TOTAL:			\$ 11,118,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-36
Name:	Summer Creek (3)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$1,807,652 to this project.		
Limits:	445' S of Altamesa to 275' S of Mesa Springs			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	1,190			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	1,807,652

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-37
Name:	Summer Creek (4)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$465,526 to this project.		
Limits:	Summer Meadows to Sycamore School			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	1,720			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	465,526

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-38
Name:	Summer Creek (5)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$290,954 to this project.		
Limits:	Sycamore School to Columbus			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	1,075			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	290,954

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-39
Name:	Summer Creek (6)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$1,357,532 to this project.		
Limits:	145' N of Summer Park to Risinger			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	2,240			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	1,357,532

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 5/27/2022

Project Information:		Description:	Project No.	Y-40
Name:	Summer Creek (7)	This project consists of the previously completed four-lane divided established neighborhood connector. The City contributed \$2,133,265 to this project.		
Limits:	Risinger to McPherson			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	3,490			
Service Area(s):	Y			
Impact Fee Project Cost TOTAL:			\$	2,133,265

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-41
Name:	Summer Creek (8)	This project consists of the construction of the northbound lanes to complete the four-lane divided commercial connector.		
Limits:	Sunflower Ridge to Posada			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BLC (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	2,350			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
122	Unclassified Street Excavation	4,178	cy	\$ 38.00	\$ 158,756
222	6" Lime Stabilization (with Lime @ 32#/sy)	8,094	sy	\$ 8.00	\$ 64,756
322	11" Concrete Pavement	7,572	sy	\$ 120.00	\$ 908,667
422	6" Curb and Gutter	4,700	lf	\$ 15.00	\$ 70,500
522	4" Topsoil	5,222	sy	\$ 5.00	\$ 26,111
622	6' Concrete Sidewalk	14,100	sf	\$ 10.00	\$ 141,000
720	Auxiliary Lanes and Median Openings Allotment	944	sf	\$ 128.00	\$ 120,776
Paving Construction Cost Subtotal:					\$ 1,490,565
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 44,717
✓	Traffic Control			3%	\$ 44,717
✓	Pavement Markings/Markers			2%	\$ 29,811
✓	Roadway Drainage	Standard Internal System		20%	\$ 298,113
✓	Illumination			3%	\$ 39,585
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 104,340
✓	Establish Turf / Erosion Control			1%	\$ 14,906
✓	Basic Landscaping			2%	\$ 29,811
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 606,000
Paving and Allowance Subtotal:					\$ 2,096,565
Construction Contingency:					15% \$ 314,485
Construction Cost TOTAL:					\$ 2,412,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,412,000
Engineering/Survey/Testing:		18%	\$ 434,160
Mobilization		5%	\$ 120,600
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 241,200
Impact Fee Project Cost TOTAL:			\$ 2,133,265

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-42	
Name:	Summer Creek (9)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Posada to 715' N of Cleburne Crowley				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,885				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	5,446	cy	\$ 38.00	\$ 206,931
228	6" Lime Stabilization (with Lime @ 32#/sy)	10,472	sy	\$ 8.00	\$ 83,778
328	11" Concrete Pavement	9,634	sy	\$ 120.00	\$ 1,156,133
428	6" Curb and Gutter	7,540	lf	\$ 15.00	\$ 113,100
528	4" Topsoil	8,797	sy	\$ 5.00	\$ 43,983
628	11' Concrete Sidewalk	41,470	sf	\$ 10.00	\$ 414,700
726	Auxiliary Lanes and Median Openings Allotment	757	sf	\$ 128.00	\$ 96,878
Paving Construction Cost Subtotal:					\$ 2,115,503
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	63,465
✓	Traffic Control		3%	\$	63,465
✓	Pavement Markings/Markers		2%	\$	42,310
✓	Roadway Drainage	Standard Internal System	20%	\$	423,101
✓	Illumination		3%	\$	56,182
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	148,085
✓	Establish Turf / Erosion Control		1%	\$	21,155
✓	Basic Landscaping		2%	\$	42,310
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 860,073
Paving and Allowance Subtotal:					\$ 2,975,576
Construction Contingency:					15% \$ 446,336
Construction Cost TOTAL:					\$ 3,422,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,422,000
Engineering/Survey/Testing:		18%	\$ 615,960
Mobilization		5%	\$ 171,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 684,400
Impact Fee Project Cost TOTAL:			\$ 4,893,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-43
Name:	Cleburne (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Cleburne Crowley to 3185' S of Cleburne Crowley			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	3,185			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	9,201	cy	\$ 38.00	\$ 349,642
228	6" Lime Stabilization (with Lime @ 32#/sy)	17,694	sy	\$ 8.00	\$ 141,556
328	11" Concrete Pavement	16,279	sy	\$ 120.00	\$ 1,953,467
428	6" Curb and Gutter	12,740	lf	\$ 15.00	\$ 191,100
528	4" Topsoil	14,863	sy	\$ 5.00	\$ 74,317
628	11' Concrete Sidewalk	70,070	sf	\$ 10.00	\$ 700,700
726	Auxiliary Lanes and Median Openings Allotment	1,279	sf	\$ 128.00	\$ 163,690
Paving Construction Cost Subtotal:					\$ 3,574,471
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 107,234
✓	Traffic Control			3%	\$ 107,234
✓	Pavement Markings/Markers			2%	\$ 71,489
✓	Roadway Drainage	Standard Internal System		20%	\$ 714,894
✓	Illumination			3%	\$ 94,928
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 250,213
✓	Establish Turf / Erosion Control			1%	\$ 35,745
✓	Basic Landscaping			2%	\$ 71,489
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,453,227
Paving and Allowance Subtotal:					\$ 5,027,698
Construction Contingency:					15% \$ 754,155
Construction Cost TOTAL:					\$ 5,782,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,782,000
Engineering/Survey/Testing:		18%	\$ 1,040,760
Mobilization		5%	\$ 289,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 578,200
Impact Fee Project Cost TOTAL:			\$ 7,690,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-44	
Name:	Cleburne (2)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	3185' S of Cleburne Crowley to 4930' S of Cleburne Crowley				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	1,745				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
128	Unclassified Street Excavation	5,041	cy	\$ 38.00	\$ 191,562
228	6" Lime Stabilization (with Lime @ 32#/sy)	9,694	sy	\$ 8.00	\$ 77,556
328	11" Concrete Pavement	8,919	sy	\$ 120.00	\$ 1,070,267
428	6" Curb and Gutter	6,980	lf	\$ 15.00	\$ 104,700
528	4" Topsoil	8,143	sy	\$ 5.00	\$ 40,717
628	11' Concrete Sidewalk	38,390	sf	\$ 10.00	\$ 383,900
726	Auxiliary Lanes and Median Openings Allotment	701	sf	\$ 128.00	\$ 89,682
Paving Construction Cost Subtotal:					\$ 1,958,384
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	58,752
✓	Traffic Control		3%	\$	58,752
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	39,168
✓	Roadway Drainage		20%	\$	391,677
✓	Illumination		3%	\$	52,009
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	137,087
✓	Establish Turf / Erosion Control		1%	\$	19,584
✓	Basic Landscaping		2%	\$	39,168
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 796,195
Paving and Allowance Subtotal:					\$ 2,754,579
Construction Contingency:					15% \$ 413,187
Construction Cost TOTAL:					\$ 3,168,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,168,000
Engineering/Survey/Testing:		18%	\$ 570,240
Mobilization		5%	\$ 158,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 633,600
Impact Fee Project Cost TOTAL:			\$ 4,530,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-45
Name:	Hulen (1)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	Winnipeg to 335' N of Rancho Verde			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,490			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	2,897	cy	\$ 38.00	\$ 110,094
234	6" Lime Stabilization (with Lime @ 32#/sy)	5,712	sy	\$ 8.00	\$ 45,693
334	11" Concrete Pavement	5,546	sy	\$ 120.00	\$ 665,533
434	6" Curb and Gutter	1,490	lf	\$ 15.00	\$ 22,350
534	4" Topsoil	1,904	sy	\$ 5.00	\$ 9,519
634	10' Concrete Sidewalk	14,900	sf	\$ 10.00	\$ 149,000
732	Auxiliary Lanes and Median Openings Allotment	254	sf	\$ 128.00	\$ 32,509
Paving Construction Cost Subtotal:					\$ 1,034,700
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 31,041
✓	Traffic Control			3%	\$ 31,041
✓	Pavement Markings/Markers			2%	\$ 20,694
✓	Roadway Drainage	Standard Internal System		20%	\$ 206,940
✓	Illumination			3%	\$ 27,479
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 72,429
✓	Establish Turf / Erosion Control			1%	\$ 10,347
✓	Basic Landscaping			2%	\$ 20,694
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 420,665
Paving and Allowance Subtotal:					\$ 1,455,364
Construction Contingency:					15% \$ 218,305
Construction Cost TOTAL:					\$ 1,674,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,674,000
Engineering/Survey/Testing:		18%	\$ 301,320
Mobilization		5%	\$ 83,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 167,400
Impact Fee Project Cost TOTAL:			\$ 2,226,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-46	
Name:	Hulen (2)	This project consists of the widening and reconstruction of the existing asphalt facility as a three-lane undivided neighborhood connector.			
Limits:	335' N of Rancho Verde to 330' S of Rancho Verde				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	665				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,180	cy	\$ 38.00	\$ 82,829
233	6" Lime Stabilization (with Lime @ 32#/sy)	4,286	sy	\$ 8.00	\$ 34,284
333	11" Concrete Pavement	4,138	sy	\$ 120.00	\$ 496,533
433	6" Curb and Gutter	1,330	lf	\$ 15.00	\$ 19,950
533	4" Topsoil	2,512	sy	\$ 5.00	\$ 12,561
633	10' Concrete Sidewalk	13,300	sf	\$ 10.00	\$ 133,000
731	Auxiliary Lanes and Median Openings Allotment	113	sf	\$ 128.00	\$ 14,509
Paving Construction Cost Subtotal:					\$ 793,667
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	23,810
✓	Traffic Control		3%	\$	23,810
✓	Pavement Markings/Markers		2%	\$	15,873
✓	Roadway Drainage	Standard Internal System	20%	\$	158,733
✓	Illumination		3%	\$	21,078
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	55,557
✓	Establish Turf / Erosion Control		1%	\$	7,937
✓	Basic Landscaping		2%	\$	15,873
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 322,671
Paving and Allowance Subtotal:					\$ 1,116,339
Construction Contingency:					15% \$ 167,451
Construction Cost TOTAL:					\$ 1,284,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,284,000
Engineering/Survey/Testing:		18%	\$ 231,120
Mobilization		5%	\$ 64,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 128,400
Impact Fee Project Cost TOTAL:			\$ 1,708,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-47
Name:	Hulen (3)	This project consists of the widening and reconstruction of the existing asphalt facility as a four-lane divided neighborhood connector.		
Limits:	330' S of Rancho Verde to 735' N of Cleburne			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,965			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	6,441	cy	\$ 38.00	\$ 244,752
233	6" Lime Stabilization (with Lime @ 32#/sy)	12,663	sy	\$ 8.00	\$ 101,307
333	11" Concrete Pavement	12,227	sy	\$ 120.00	\$ 1,467,200
433	6" Curb and Gutter	3,930	lf	\$ 15.00	\$ 58,950
533	4" Topsoil	7,423	sy	\$ 5.00	\$ 37,117
633	10' Concrete Sidewalk	39,300	sf	\$ 10.00	\$ 393,000
731	Auxiliary Lanes and Median Openings Allotment	335	sf	\$ 128.00	\$ 42,873
Paving Construction Cost Subtotal:					\$ 2,345,198
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 70,356
✓	Traffic Control			3%	\$ 70,356
✓	Pavement Markings/Markers			2%	\$ 46,904
✓	Roadway Drainage	Standard Internal System		20%	\$ 469,040
✓	Illumination			3%	\$ 62,282
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,174,250	\$ 1,174,250
✓	Water/Sewer	Minor Adjustments		7%	\$ 164,164
✓	Establish Turf / Erosion Control			1%	\$ 23,452
✓	Basic Landscaping			2%	\$ 46,904
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,127,707
Paving and Allowance Subtotal:					\$ 4,472,905
Construction Contingency:					15% \$ 670,936
Construction Cost TOTAL:					\$ 5,144,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,144,000
Engineering/Survey/Testing:		18%	\$ 925,920
Mobilization		5%	\$ 257,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 514,400
Impact Fee Project Cost TOTAL:			\$ 6,842,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-48
Name:	Hulen (4)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	715' N of Cleburne to Water Lily Ln			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,270			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	2,469	cy	\$ 38.00	\$ 93,839
234	6" Lime Stabilization (with Lime @ 32#/sy)	4,868	sy	\$ 8.00	\$ 38,947
334	11" Concrete Pavement	4,727	sy	\$ 120.00	\$ 567,267
434	6" Curb and Gutter	1,270	lf	\$ 15.00	\$ 19,050
534	4" Topsoil	1,623	sy	\$ 5.00	\$ 8,114
634	10' Concrete Sidewalk	12,700	sf	\$ 10.00	\$ 127,000
732	Auxiliary Lanes and Median Openings Allotment	216	sf	\$ 128.00	\$ 27,709
Paving Construction Cost Subtotal:					\$ 881,925
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 26,458
✓	Traffic Control			3%	\$ 26,458
✓	Pavement Markings/Markers			2%	\$ 17,639
✓	Roadway Drainage	Standard Internal System		20%	\$ 176,385
✓	Illumination			3%	\$ 23,422
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 270,000	\$ 270,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 61,735
✓	Establish Turf / Erosion Control			1%	\$ 8,819
✓	Basic Landscaping			2%	\$ 17,639
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 628,553
Paving and Allowance Subtotal:					\$ 1,510,478
Construction Contingency:					15% \$ 226,572
Construction Cost TOTAL:					\$ 1,738,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,738,000
Engineering/Survey/Testing:		18%	\$ 312,840
Mobilization		5%	\$ 86,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 173,800
Impact Fee Project Cost TOTAL:			\$ 2,312,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-49
Name:	Hulen (5)	This project consists of the construction of a new three-lane undivided neighborhood connector.		
Limits:	Water Lily Ln to Cleburn Crowley Rd			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	1,495			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	3,073	cy	\$ 38.00	\$ 116,776
241	6" Lime Stabilization (with Lime @ 32#/sy)	5,980	sy	\$ 8.00	\$ 47,840
341	11" Concrete Pavement	5,648	sy	\$ 120.00	\$ 677,733
441	6" Curb and Gutter	2,990	lf	\$ 15.00	\$ 44,850
541	4" Topsoil	4,319	sy	\$ 5.00	\$ 21,594
641	10' Concrete Sidewalk	29,900	sf	\$ 10.00	\$ 299,000
739	Auxiliary Lanes and Median Openings Allotment	255	sf	\$ 128.00	\$ 32,618
Paving Construction Cost Subtotal:					\$ 1,240,412
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 37,212
✓	Traffic Control			3%	\$ 37,212
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 24,808
✓	Roadway Drainage			20%	\$ 248,082
✓	Illumination			3%	\$ 32,942
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 86,829
✓	Establish Turf / Erosion Control			1%	\$ 12,404
✓	Basic Landscaping			2%	\$ 24,808
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 504,299
Paving and Allowance Subtotal:					\$ 1,744,711
Construction Contingency:					15% \$ 261,707
Construction Cost TOTAL:					\$ 2,007,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,007,000
Engineering/Survey/Testing:		18%	\$ 361,260
Mobilization		5%	\$ 100,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 401,400
Impact Fee Project Cost TOTAL:			\$ 2,870,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-50
Name:	McCart (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided system link.		
Limits:	590' S of Risinger to 120' S of Cayman			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BLS (110) (1/2)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	1,615			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
136	Unclassified Street Excavation	2,423	cy	\$ 38.00	\$ 92,055
236	6" Lime Stabilization (with Lime @ 32#/sy)	4,666	sy	\$ 8.00	\$ 37,324
336	11" Concrete Pavement	4,307	sy	\$ 120.00	\$ 516,800
436	6" Curb and Gutter	3,230	lf	\$ 15.00	\$ 48,450
536	4" Topsoil	3,768	sy	\$ 5.00	\$ 18,842
636	11' Concrete Sidewalk	17,765	sf	\$ 10.00	\$ 177,650
734	Auxiliary Lanes and Median Openings Allotment	275	sf	\$ 128.00	\$ 35,236
Paving Construction Cost Subtotal:					\$ 926,357
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 27,791
✓	Traffic Control			3%	\$ 27,791
✓	Pavement Markings/Markers			2%	\$ 18,527
✓	Roadway Drainage	Standard Internal System		20%	\$ 185,271
✓	Illumination			3%	\$ 24,602
✓	Special Drainage Structures	Minor Stream Crossing(s)		\$ 90,000	\$ 90,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 64,845
✓	Establish Turf / Erosion Control			1%	\$ 9,264
✓	Basic Landscaping			2%	\$ 18,527
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 466,617
Paving and Allowance Subtotal:					\$ 1,392,975
Construction Contingency:					15% \$ 208,946
Construction Cost TOTAL:					\$ 1,602,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,602,000
Engineering/Survey/Testing:		18%	\$ 288,360
Mobilization		5%	\$ 80,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 160,200
Impact Fee Project Cost TOTAL:			\$ 2,131,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-51	
Name:	McCart (2)	This project consists of the construction of a new four-lane divided system link.			
Limits:	120' S of Cayman to McPherson (Future)				
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BLS (110)				
Ultimate Class:	4 Lane Divided System Link				
Length (lf):	2,840				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
135	Unclassified Street Excavation	8,520	cy	\$ 38.00	\$ 323,760
235	6" Lime Stabilization (with Lime @ 32#/sy)	16,409	sy	\$ 8.00	\$ 131,271
335	11" Concrete Pavement	15,147	sy	\$ 120.00	\$ 1,817,600
435	6" Curb and Gutter	11,360	lf	\$ 15.00	\$ 170,400
535	4" Topsoil	13,253	sy	\$ 5.00	\$ 66,267
635	11' Concrete Sidewalk	62,480	sf	\$ 10.00	\$ 624,800
733	Auxiliary Lanes and Median Openings Allotment	1,140	sf	\$ 128.00	\$ 145,959
Paving Construction Cost Subtotal:					\$ 3,280,057
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	98,402
✓	Traffic Control		3%	\$	98,402
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	65,601
✓	Roadway Drainage		20%	\$	656,011
✓	Illumination		3%	\$	87,110
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	229,604
✓	Establish Turf / Erosion Control		1%	\$	32,801
✓	Basic Landscaping		2%	\$	65,601
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,333,531
Paving and Allowance Subtotal:					\$ 4,613,588
Construction Contingency:					15% \$ 692,038
Construction Cost TOTAL:					\$ 5,306,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,306,000
Engineering/Survey/Testing:		18%	\$ 955,080
Mobilization		5%	\$ 265,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,061,200
Impact Fee Project Cost TOTAL:			\$ 7,588,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-52	
Name:	McCart (3)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	McPherson (Future) to 140' N of Twinleaf				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BLS (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	3,745				
Service Area(s):	Y				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
132	Unclassified Street Excavation	12,275	cy	\$ 38.00	\$ 466,461
232	6" Lime Stabilization (with Lime @ 32#/sy)	24,134	sy	\$ 8.00	\$ 193,076
332	11" Concrete Pavement	23,302	sy	\$ 120.00	\$ 2,796,267
432	6" Curb and Gutter	7,490	lf	\$ 15.00	\$ 112,350
532	4" Topsoil	12,483	sy	\$ 5.00	\$ 62,417
632	11' Concrete Sidewalk	82,390	sf	\$ 10.00	\$ 823,900
730	Auxiliary Lanes and Median Openings Allotment	638	sf	\$ 128.00	\$ 81,709
Paving Construction Cost Subtotal:					\$ 4,536,179
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	136,085
✓	Traffic Control		3%	\$	136,085
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	90,724
✓	Roadway Drainage		20%	\$	907,236
✓	Illumination		3%	\$	120,469
✓	Special Drainage Structures	Drainage Crossing(s)	\$ 1,066,500	\$	1,066,500
✓	Water/Sewer	Minor Adjustments	7%	\$	317,532
✓	Establish Turf / Erosion Control		1%	\$	45,362
✓	Basic Landscaping		2%	\$	90,724
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 2,910,717
Paving and Allowance Subtotal:					\$ 7,446,895
Construction Contingency:					15% \$ 1,117,034
Construction Cost TOTAL:					\$ 8,564,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,564,000
Engineering/Survey/Testing:		18%	\$ 1,541,520
Mobilization		5%	\$ 428,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,712,800
Impact Fee Project Cost TOTAL:			\$ 12,247,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

5/27/2022

Project Information:		Description:	Project No.	Y-53
Name:	McCart (4)	This project consists of the construction of the southbound lanes to complete the four-lane divided neighborhood connector.		
Limits:	Mountain Meadow to 1600' S of Mountain Meadow			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BLS (110) (1/2)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,600			
Service Area(s):	Y			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
129	Unclassified Street Excavation	2,311	cy	\$ 38.00	\$ 87,822
229	6" Lime Stabilization (with Lime @ 32#/sy)	4,444	sy	\$ 8.00	\$ 35,556
329	11" Concrete Pavement	4,089	sy	\$ 120.00	\$ 490,667
429	6" Curb and Gutter	3,200	lf	\$ 15.00	\$ 48,000
529	4" Topsoil	3,733	sy	\$ 5.00	\$ 18,667
629	11' Concrete Sidewalk	17,600	sf	\$ 10.00	\$ 176,000
727	Auxiliary Lanes and Median Openings Allotment	642	sf	\$ 128.00	\$ 82,230
Paving Construction Cost Subtotal:					\$ 938,941
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 28,168
✓	Traffic Control			3%	\$ 28,168
✓	Pavement Markings/Markers			2%	\$ 18,779
✓	Roadway Drainage	Standard Internal System		20%	\$ 187,788
✓	Illumination			3%	\$ 24,936
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 65,726
✓	Establish Turf / Erosion Control			1%	\$ 9,389
✓	Basic Landscaping			2%	\$ 18,779
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 381,734
Paving and Allowance Subtotal:					\$ 1,320,675
Construction Contingency:					15% \$ 198,101
Construction Cost TOTAL:					\$ 1,519,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,519,000
Engineering/Survey/Testing:		18%	\$ 273,420
Mobilization		5%	\$ 75,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 151,900
Impact Fee Project Cost TOTAL:			\$ 2,020,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

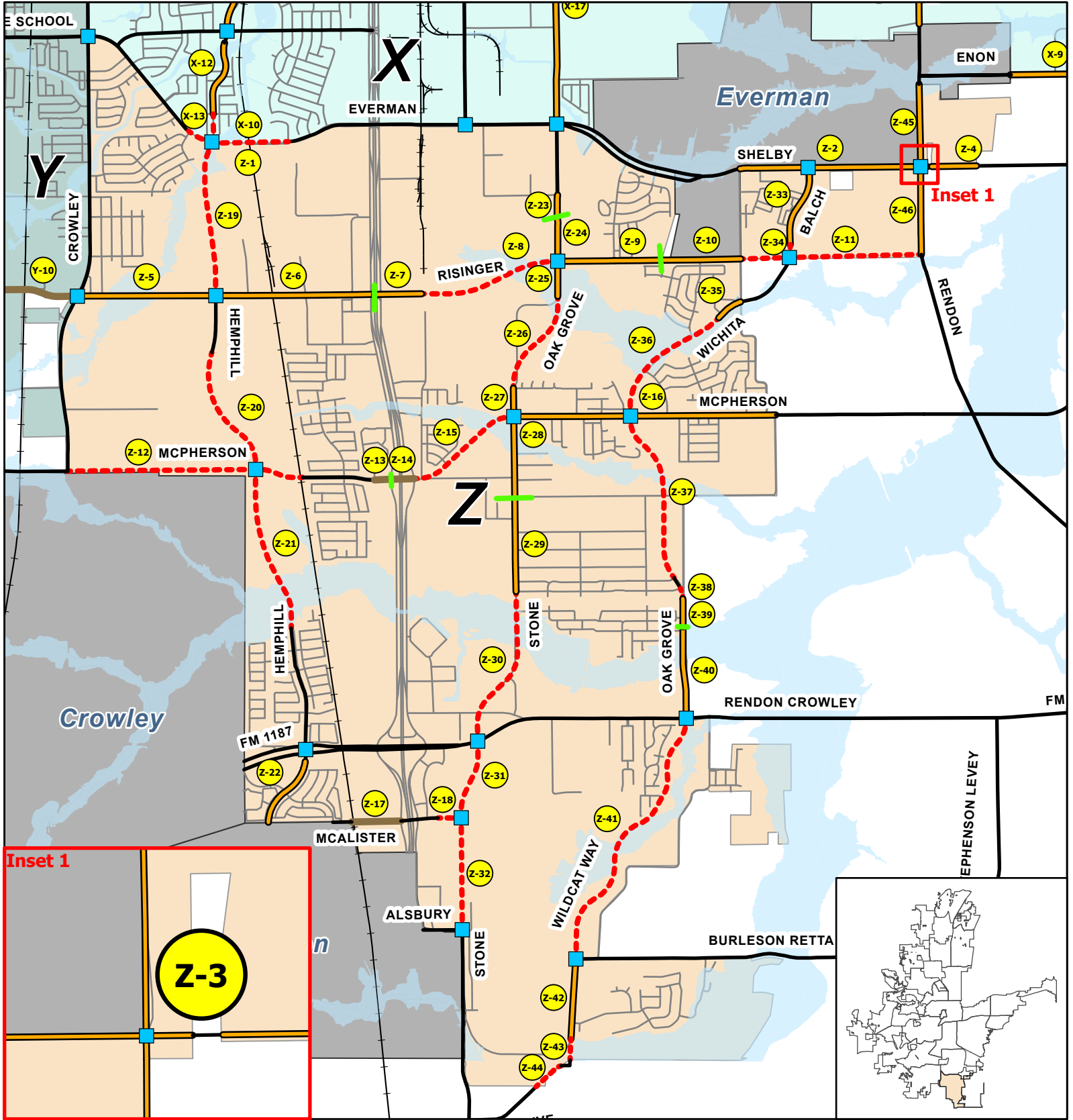
5/27/2022

Project Information:		Description:	Project No.		Y-54
Name:	McCart (5)		This project consists of the widening and reconstruction of the existing asphalt facility as a five-lane undivided neighborhood connector.		
Limits:	1760' N of Cleburne Crowley to 380' No of Cleburne Crowley				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	1,380				
Service Area(s):	Y, Crowley				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	4,523	cy	\$ 38.00	\$ 171,887
233	6" Lime Stabilization (with Lime @ 32#/sy)	8,893	sy	\$ 8.00	\$ 71,147
333	11" Concrete Pavement	8,587	sy	\$ 120.00	\$ 1,030,400
433	6" Curb and Gutter	2,760	lf	\$ 15.00	\$ 41,400
533	4" Topsoil	5,213	sy	\$ 5.00	\$ 26,067
633	10' Concrete Sidewalk	27,600	sf	\$ 10.00	\$ 276,000
731	Auxiliary Lanes and Median Openings Allotment	235	sf	\$ 128.00	\$ 30,109
Paving Construction Cost Subtotal:					\$ 1,647,009
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	49,410
✓	Traffic Control		3%	\$	49,410
✓	Pavement Markings/Markers		2%	\$	32,940
✓	Roadway Drainage	Standard Internal System	20%	\$	329,402
✓	Illumination		3%	\$	43,740
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	115,291
✓	Establish Turf / Erosion Control		1%	\$	16,470
✓	Basic Landscaping		2%	\$	32,940
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 669,604
Paving and Allowance Subtotal:					\$ 2,316,613
Construction Contingency:					15% \$ 347,492
Construction Cost TOTAL:					\$ 2,665,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,665,000
Engineering/Survey/Testing:		18%	\$ 479,700
Mobilization		5%	\$ 133,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 266,500
Impact Fee Project Cost TOTAL:			\$ 3,544,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.



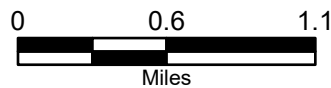
Legend

- | | |
|--|---------------------------|
| Impact Fee Eligible - Median | Local Roads |
| Impact Fee Eligible - New | Roundabout - Recent |
| Impact Fee Eligible - Previously Completed | Intersection Improvements |
| Impact Fee Eligible - Widening | Project Limits |
| Non-Impact Fee Eligible | Railroad |
| | Floodplain |

Impact Fee TIP (SA Z)



Transportation Improvements Plan



June 2022

Kimley»Horn

City of Fort Worth - 2022 Transportation Impact Fee Study
Transportation Improvements Plan for Transportation Impact Fees
Appendix A - Summary of Conceptual Level Project Cost Projections

Roadway/Intersection Improvements - Service Area Z

Project No.	IF Class	Street Name	Limits	Status	Percent in SA	Total Cost	Cost in Service Area
Z-1, X-10	NCO-L2-T0-NTMS-P0-BOP (110)	Everman	Butterwick to Cameron Hill	New	50%	\$ 18,520,000	\$ 9,260,000
Z-2	NCO-L2-T0-NTMS-P0-BOP (110)	Shelby (1)	Race to Rendon	Widening	50%	\$ 12,486,000	\$ 6,243,000
Z-3	NCO-L2-T0-NTMS-P0-BOP (110)	Shelby (2)	Forest Hill Dr to 195' E of Forest Hill Dr	Widening	100%	\$ 464,000	\$ 464,000
Z-4	NCO-L2-T0-NTMS-P0-BOP (110)	Shelby (3)	325' E of Forest Hill Dr to 1625' E of Forest Hill Dr	Widening	50%	\$ 3,087,000	\$ 1,543,500
Z-5	SYS-L2-T0-NTMS-P0-BOP (110)	Risinger (4)	Crowley to Hemphill	Widening	100%	\$ 14,438,000	\$ 14,438,000
Z-6	SYS-L2-T0-NTMS-P0-BOP (110)	Risinger (5)	Hemphill to IH-35W	Widening	100%	\$ 12,622,000	\$ 12,622,000
Z-7	SYS-L2-T0-NTMS-P0-BOP (110)	Risinger (6)	IH-35W to 1370' W of IH-35W	Widening	100%	\$ 3,349,000	\$ 3,349,000
Z-8	SYS-L2-T0-NTMS-P0-BOP (110)	Risinger (7)	1370' W of IH-35W to Oak Grove	New	100%	\$ 14,806,000	\$ 14,806,000
Z-9	SYS-L2-T0-NTMS-P0-BOP (110)	Oak Grove Shelby (1)	Oak Grove to 1400' E of Michael	Widening	100%	\$ 7,419,000	\$ 7,419,000
Z-10	SYS-L2-T0-NTMS-P0-BOP (110)	Oak Grove Shelby (2)	1400' E of Michael to Race	Widening	100%	\$ 5,598,000	\$ 5,598,000
Z-11	NCO-L1-T0-TWLT-P0-BOP (80)	Oak Grove Shelby (3)	Race to Rendon	New	100%	\$ 10,792,000	\$ 10,792,000
Z-12	NCO-L2-T0-NTMS-P0-BOP (110)	McPherson (7)	Crowley to 1210' W of Deer	New	100%	\$ 18,965,000	\$ 18,965,000
Z-13	NCO-L2-T0-NTMS-P0-BOP (110)	McPherson (8)	Blisky Bay to IH-35W SBFR	Previous	100%	\$ 458,135	\$ 458,135
Z-14	NCO-L2-T0-NTMS-P0-BOP (110)	McPherson (9)	IH-35W SBFR to IH-35W NBFR	Previous	100%	\$ 4,061,322	\$ 4,061,322
Z-15	NCO-L2-T0-NTMS-P0-BOP (110)	McPherson (10)	IH-35W NBFR to Oak Grove	New	100%	\$ 11,536,000	\$ 11,536,000
Z-16	NCO-L2-T0-TWLT-P0-BOP (110)	McPherson (11)	Oak Grove to Forest Hill Everman	Widening	100%	\$ 19,579,000	\$ 19,579,000
Z-17	NCO (E)	McAlister (1)	1430' W of IH-35W SBFR to IH-35W SBFR	Previous	100%	\$ 1,538,879	\$ 1,538,879
Z-18	NCO-L1-T0-TWLT-P0-BOP (80)	McAlister (2)	635' E of IH-35W NBFR to Stone	New	100%	\$ 1,296,000	\$ 1,296,000
Z-19	CCO-L2-T0-NTMS-P0-BOP (110)	Hemphill (4)	Everman to Risinger	New	100%	\$ 16,814,000	\$ 16,814,000
Z-20	NCO-L2-T0-NTMS-P0-BOP (110)	Hemphill (5)	3870' N of McPherson to McPherson	New	100%	\$ 9,878,000	\$ 9,878,000
Z-21	NCO-L2-T0-NTMS-P0-BOP (110)	Hemphill (6)	McPherson to 655' N of Brasenose	New	100%	\$ 17,236,000	\$ 17,236,000
Z-22	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)	Hemphill (7)	240' S of FM 1187 to 130' S of Windy Knoll	Widening	100%	\$ 3,191,000	\$ 3,191,000
Z-23	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Oak Grove (1)	Forum to 605' S of Forum	Widening	100%	\$ 773,000	\$ 773,000
Z-24	CCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (2)	605' S of Forum to Risinger	Widening	100%	\$ 3,493,000	\$ 3,493,000
Z-25	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (3)	Risinger to 1020' S of Risinger	Widening	100%	\$ 7,209,000	\$ 7,209,000
Z-26	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (4)	1025' S of Risinger to Buffalo Springs	New	100%	\$ 13,335,000	\$ 13,335,000
Z-27	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (5)	Buffalo Springs to McPherson	Widening	100%	\$ 2,132,000	\$ 2,132,000
Z-28	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (6)	McPherson to Oak Grove	Widening	100%	\$ 10,597,000	\$ 10,597,000
Z-29	NCO-L2-T0-NTMS-P0-BOP (110)	Stone (1)	Oak Grove to Nelson	Widening	100%	\$ 6,541,000	\$ 6,541,000
Z-30	CCO-L2-T0-NTMS-P0-BOP (110)	Stone (2)	Nelson to FM 1187	New	100%	\$ 17,392,000	\$ 17,392,000
Z-31	CCO-L2-T0-TWLT-P0-BOP (110)	Stone (3)	FM 1187 to McAlister	New	100%	\$ 6,589,000	\$ 6,589,000
Z-32	CCO-L2-T0-TWLT-P0-BOP (110)	Stone (4)	McAlister to Alsbury	New	100%	\$ 9,238,000	\$ 9,238,000
Z-33	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Balch (1)	Shelby to 250' N of Oak Grove Shelby	Widening	100%	\$ 2,963,000	\$ 2,963,000
Z-34	NCO-L2-T0-NTMS-P0-BOP (110)	Balch (2)	250' N of Oak Grove Shelby to Risinger	New	100%	\$ 971,000	\$ 971,000
Z-35	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)	Wichita (1)	Race to 795' W of Race	Widening	100%	\$ 1,593,000	\$ 1,593,000
Z-36	NCO-L2-T0-NTMS-P0-BOP (110)	Wichita (2)	795' W of Race to McPherson	New	100%	\$ 16,279,000	\$ 16,279,000
Z-37	NCO-L2-T0-NTMS-P0-BOP (110)	Wichita (3)	McPherson to Nicole	New	100%	\$ 15,546,000	\$ 15,546,000
Z-38	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (7)	Nelson to 310' S of Nelson	New	100%	\$ 857,000	\$ 857,000
Z-39	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (8)	310' S of Nelson to 260' S of Smallwood	Widening	100%	\$ 3,284,000	\$ 3,284,000
Z-40	NCO-L2-T0-TWLT-P0-BOP (110)	Oak Grove (9)	310' S of Nelson to Rendon Crowley	Widening	100%	\$ 11,431,000	\$ 11,431,000
Z-41	NCO-L1-T0-TWLT-P0-BOP (80)	Wildcat Way (1)	Rendon Crowley to Burleson Retta	New	100%	\$ 19,787,000	\$ 19,787,000
Z-42	NCO-L1-T0-TWLT-P0-BOP (80)	Wildcat Way (2)	Burleson Retta to 455' S of Thomas Crossing	Widening	100%	\$ 4,132,000	\$ 4,132,000
Z-43	NCO-L1-T0-TWLT-P0-BOP (80)	Wildcat Way (3)	Abner Lee to 615' S of Abner Lee	New	100%	\$ 1,909,000	\$ 1,909,000
Z-44	NCO-L1-T0-TWLT-P0-BOP (80)	Abner Drive	1195' W of Wildcat Way to 260' W of Wildcat Way	New	100%	\$ 1,795,000	\$ 1,795,000
Z-45	NCO-L2-T0-NTMS-P0-BOP (110)	Forest Hill	645' N of Chambers Creek to Shelby	Widening	50%	\$ 7,831,000	\$ 3,915,500
Z-46	NCO-L2-T0-NTMS-P0-BOP (110)	Rendon	Shelby to Oak Grove Shelby	Widening	50%	\$ 6,066,000	\$ 3,033,000
Intersection Improvements	Type	Road A	Road B	Status	Percent in SA	Total Cost	Cost in Service Area
	Intersection Improvements	Alsbury	Stone	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	Burleson Retta	Wildcat Way	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Everman	Will Rogers	Retrofit	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Everman	Oak Grove	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Everman	FM 731	Retrofit	25%	\$ 2,500,000	\$ 625,000
	Intersection Improvements	McAlister	Stone	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	McPherson	Hemphill	New	100%	\$ 1,500,000	\$ 1,500,000
	Intersection Improvements	McPherson	Oak Grove	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	McPherson	Wichita	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	FM 1187	Stone	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	FM 1187	Oak Grove S	Rebuild	75%	\$ 2,500,000	\$ 1,875,000
	Intersection Improvements	FM 1187	Hemphill	Retrofit	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	FM 731	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Risinger	Hemphill	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Risinger	Oak Grove	Rebuild	100%	\$ 2,500,000	\$ 2,500,000
	Intersection Improvements	Oak Grove Shelby	Wichita	New	50%	\$ 1,500,000	\$ 750,000
	Intersection Improvements	Shelby	Wichita	Rebuild	50%	\$ 2,500,000	\$ 1,250,000
	Intersection Improvements	Shelby	Rendon	Rebuild	75%	\$ 2,500,000	\$ 1,875,000

NOTES:
1. These cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The planning level cost projections shall not supersede the City's design standards or the determination of the City Engineer for a specific project.
2. Intersection Improvements will be determined based on the results of an intersection capacity evaluation (ICE), which will be performed by the City to determine the need for turn lanes, signalization, roundabouts, or other capacity-enhancing improvements.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-1, X-10
Name:	Everman	This project consists of the construction of a new four-lane divided neighborhood connector.	
Limits:	Butterwick to Cameron Hill		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	2,980		
Service Area(s):	Z, X		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	8,609	cy	\$ 38.00	\$ 327,138
230	6" Lime Stabilization (with Lime @ 32#/sy)	16,556	sy	\$ 8.00	\$ 132,444
330	11" Concrete Pavement	15,231	sy	\$ 120.00	\$ 1,827,733
430	6" Curb and Gutter	11,920	lf	\$ 15.00	\$ 178,800
530	4" Topsoil	14,569	sy	\$ 5.00	\$ 72,844
630	10' Concrete Sidewalk	59,600	sf	\$ 10.00	\$ 596,000
728	Auxiliary Lanes and Median Openings Allotment	1,197	sf	\$ 128.00	\$ 153,154
Paving Construction Cost Subtotal:					\$ 3,288,114
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 98,643
✓	Traffic Control			3%	\$ 98,643
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 65,762
✓	Roadway Drainage			20%	\$ 657,623
✓	Illumination			3%	\$ 87,324
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,419,000	\$ 1,419,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 230,168
✓	Establish Turf / Erosion Control			1%	\$ 32,881
✓	Basic Landscaping			2%	\$ 65,762
✓	Other:	Grade Separated RR Crossing		\$6,000,000	\$ 6,000,000
Allowance Subtotal:					\$ 8,755,807
Paving and Allowance Subtotal:					\$ 12,043,921
Construction Contingency:					15% \$ 906,588
Construction Cost TOTAL:					\$ 12,951,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,951,000
Engineering/Survey/Testing:		18%	\$ 2,331,180
Mobilization		5%	\$ 647,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,590,200
Impact Fee Project Cost TOTAL:			\$ 18,520,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-2
Name:	Shelby (1)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Race to Rendon			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	5,260			
Service Area(s):	Z, Everman			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	15,196	cy	\$ 38.00	\$ 577,431
230	6" Lime Stabilization (with Lime @ 32#/sy)	29,222	sy	\$ 8.00	\$ 233,778
330	11" Concrete Pavement	26,884	sy	\$ 120.00	\$ 3,226,133
430	6" Curb and Gutter	21,040	lf	\$ 15.00	\$ 315,600
530	4" Topsoil	25,716	sy	\$ 5.00	\$ 128,578
630	10' Concrete Sidewalk	105,200	sf	\$ 10.00	\$ 1,052,000
728	Auxiliary Lanes and Median Openings Allotment	2,112	sf	\$ 128.00	\$ 270,332
Paving Construction Cost Subtotal:					\$ 5,803,852
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 174,116
✓	Traffic Control			3%	\$ 174,116
✓	Pavement Markings/Markers			2%	\$ 116,077
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,160,770
✓	Illumination			3%	\$ 154,135
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 406,270
✓	Establish Turf / Erosion Control			1%	\$ 58,039
✓	Basic Landscaping			2%	\$ 116,077
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,359,599
Paving and Allowance Subtotal:					\$ 8,163,451
Construction Contingency:					15% \$ 1,224,518
Construction Cost TOTAL:					\$ 9,388,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,388,000
Engineering/Survey/Testing:		18%	\$ 1,689,840
Mobilization		5%	\$ 469,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 938,800
Impact Fee Project Cost TOTAL:			\$ 12,486,000

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The planning level cost projections shall not supersede the City's design standards contained or the determination of the City Engineer for a specific project.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-3
Name:	Shelby (2)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Forest Hill Dr to 195' E of Forest Hill Dr			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	195			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	563	cy	\$ 38.00	\$ 21,407
230	6" Lime Stabilization (with Lime @ 32#/sy)	1,083	sy	\$ 8.00	\$ 8,667
330	11" Concrete Pavement	997	sy	\$ 120.00	\$ 119,600
430	6" Curb and Gutter	780	lf	\$ 15.00	\$ 11,700
530	4" Topsoil	953	sy	\$ 5.00	\$ 4,767
630	10' Concrete Sidewalk	3,900	sf	\$ 10.00	\$ 39,000
728	Auxiliary Lanes and Median Openings Allotment	78	sf	\$ 128.00	\$ 10,022
Paving Construction Cost Subtotal:					\$ 215,162
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 6,455
✓	Traffic Control			3%	\$ 6,455
✓	Pavement Markings/Markers			2%	\$ 4,303
✓	Roadway Drainage	Standard Internal System		20%	\$ 43,032
✓	Illumination			3%	\$ 5,714
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 15,061
✓	Establish Turf / Erosion Control			1%	\$ 2,152
✓	Basic Landscaping			2%	\$ 4,303
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 87,476
Paving and Allowance Subtotal:					\$ 302,637
Construction Contingency:					15% \$ 45,396
Construction Cost TOTAL:					\$ 349,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 349,000
Engineering/Survey/Testing:		18%	\$ 62,820
Mobilization		5%	\$ 17,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 34,900
Impact Fee Project Cost TOTAL:			\$ 464,000

NOTE: The planning level cost projections listed in this appendix have been developed for Impact Fee calculations only and should not be used for any future Capital Improvement Planning within the City of Fort Worth. The cost was rounded to the nearest \$1,000.

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-4
Name:	Shelby (3)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	325' E of Forest Hill Dr to 1625' E of Forest Hill Dr			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	1,300			
Service Area(s):	Z, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	3,756	cy	\$ 38.00	\$ 142,711
230	6" Lime Stabilization (with Lime @ 32#/sy)	7,222	sy	\$ 8.00	\$ 57,778
330	11" Concrete Pavement	6,644	sy	\$ 120.00	\$ 797,333
430	6" Curb and Gutter	5,200	lf	\$ 15.00	\$ 78,000
530	4" Topsoil	6,356	sy	\$ 5.00	\$ 31,778
630	10' Concrete Sidewalk	26,000	sf	\$ 10.00	\$ 260,000
728	Auxiliary Lanes and Median Openings Allotment	522	sf	\$ 128.00	\$ 66,812
Paving Construction Cost Subtotal:					\$ 1,434,412
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 43,032
✓	Traffic Control			3%	\$ 43,032
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 28,688
✓	Roadway Drainage			20%	\$ 286,882
✓	Illumination	None Anticipated		3%	\$ 38,094
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 100,409
✓	Establish Turf / Erosion Control			1%	\$ 14,344
✓	Basic Landscaping			2%	\$ 28,688
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 583,171
Paving and Allowance Subtotal:					\$ 2,017,583
Construction Contingency:					15% \$ 302,637
Construction Cost TOTAL:					\$ 2,321,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,321,000
Engineering/Survey/Testing:		18%	\$ 417,780
Mobilization		5%	\$ 116,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 232,100
Impact Fee Project Cost TOTAL:			\$ 3,087,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-5
Name:	Risinger (4)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided system link.		
Limits:	Crowley to Hemphill			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	4,030			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	12,090	cy	\$ 38.00	\$ 459,420
237	6" Lime Stabilization (with Lime @ 32#/sy)	23,284	sy	\$ 8.00	\$ 186,276
337	11" Concrete Pavement	21,493	sy	\$ 120.00	\$ 2,579,200
437	6" Curb and Gutter	16,120	lf	\$ 15.00	\$ 241,800
537	4" Topsoil	19,702	sy	\$ 5.00	\$ 98,511
637	10' Concrete Sidewalk	80,600	sf	\$ 10.00	\$ 806,000
735	Auxiliary Lanes and Median Openings Allotment	1,618	sf	\$ 128.00	\$ 207,118
Paving Construction Cost Subtotal:					\$ 4,578,324
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 137,350
✓	Traffic Control			3%	\$ 137,350
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 91,566
✓	Roadway Drainage			20%	\$ 915,665
✓	Illumination			3%	\$ 121,588
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 320,483
✓	Establish Turf / Erosion Control			1%	\$ 45,783
✓	Basic Landscaping			2%	\$ 91,566
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,861,351
Paving and Allowance Subtotal:					\$ 9,439,676
Construction Contingency:					15% \$ 1,415,951
Construction Cost TOTAL:					\$ 10,856,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,856,000
Engineering/Survey/Testing:		18%	\$ 1,954,080
Mobilization		5%	\$ 542,800
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,085,600
Impact Fee Project Cost TOTAL:			\$ 14,438,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.		Z-6
Name:	Risinger (5)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided system link.			
Limits:	Hemphill to IH-35W				
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided System Link				
Length (lf):	4,620				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	13,860	cy	\$ 38.00	\$ 526,680
237	6" Lime Stabilization (with Lime @ 32#/sy)	26,693	sy	\$ 8.00	\$ 213,547
337	11" Concrete Pavement	24,640	sy	\$ 120.00	\$ 2,956,800
437	6" Curb and Gutter	18,480	lf	\$ 15.00	\$ 277,200
537	4" Topsoil	22,587	sy	\$ 5.00	\$ 112,933
637	10' Concrete Sidewalk	92,400	sf	\$ 10.00	\$ 924,000
735	Auxiliary Lanes and Median Openings Allotment	1,855	sf	\$ 128.00	\$ 237,440
Paving Construction Cost Subtotal:					\$ 5,248,600
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
√	Prep ROW	Construction Phase Traffic Control	3%	\$	157,458
√	Traffic Control		3%	\$	157,458
√	Pavement Markings/Markers	Standard Internal System	2%	\$	104,972
√	Roadway Drainage		20%	\$	1,049,720
√	Illumination		3%	\$	139,389
	Special Drainage Structures	None Anticipated	\$ -	\$	-
√	Water/Sewer	Minor Adjustments	7%	\$	367,402
√	Establish Turf / Erosion Control	Railroad Crossing	1%	\$	52,486
√	Basic Landscaping		2%	\$	104,972
√	Other:		\$1,000,000	\$	1,000,000
Allowance Subtotal:					\$ 3,133,857
Paving and Allowance Subtotal:					\$ 8,382,457
Construction Contingency:					15% \$ 1,107,369
Construction Cost TOTAL:					\$ 9,490,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,490,000
Engineering/Survey/Testing:		18%	\$ 1,708,200
Mobilization		5%	\$ 474,500
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 949,000
Impact Fee Project Cost TOTAL:			\$ 12,622,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-7		
Name:	Risinger (6)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided system link.			
Limits:	IH-35W to 1370' W of IH-35W				
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided System Link				
Length (lf):	1,370				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	4,110	cy	\$ 38.00	\$ 156,180
237	6" Lime Stabilization (with Lime @ 32#/sy)	7,916	sy	\$ 8.00	\$ 63,324
337	11" Concrete Pavement	7,307	sy	\$ 120.00	\$ 876,800
437	6" Curb and Gutter	5,480	lf	\$ 15.00	\$ 82,200
537	4" Topsoil	6,698	sy	\$ 5.00	\$ 33,489
637	10' Concrete Sidewalk	27,400	sf	\$ 10.00	\$ 274,000
735	Auxiliary Lanes and Median Openings Allotment	550	sf	\$ 128.00	\$ 70,410
Paving Construction Cost Subtotal:					\$ 1,556,403
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	46,692
✓	Traffic Control		3%	\$	46,692
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	31,128
✓	Roadway Drainage		20%	\$	311,281
✓	Illumination		3%	\$	41,334
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	108,948
✓	Establish Turf / Erosion Control		1%	\$	15,564
✓	Basic Landscaping		2%	\$	31,128
	Other:		\$0		
Allowance Subtotal:					\$ 632,767
Paving and Allowance Subtotal:					\$ 2,189,170
Construction Contingency:					15% \$ 328,376
Construction Cost TOTAL:					\$ 2,518,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,518,000
Engineering/Survey/Testing:		18%	\$ 453,240
Mobilization		5%	\$ 125,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 251,800
Impact Fee Project Cost TOTAL:			\$ 3,349,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-8	
Name:	Risinger (7)	This project consists of the construction of a new four-lane divided system link.			
Limits:	1370' W of IH-35W to Oak Grove				
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided System Link				
Length (lf):	4,145				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	12,435	cy	\$ 38.00	\$ 472,530
237	6" Lime Stabilization (with Lime @ 32#/sy)	23,949	sy	\$ 8.00	\$ 191,591
337	11" Concrete Pavement	22,107	sy	\$ 120.00	\$ 2,652,800
437	6" Curb and Gutter	16,580	lf	\$ 15.00	\$ 248,700
537	4" Topsoil	20,264	sy	\$ 5.00	\$ 101,322
637	10' Concrete Sidewalk	82,900	sf	\$ 10.00	\$ 829,000
735	Auxiliary Lanes and Median Openings Allotment	1,664	sf	\$ 128.00	\$ 213,028
Paving Construction Cost Subtotal:					\$ 4,708,971
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 141,269
✓	Traffic Control			3%	\$ 141,269
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 94,179
✓	Roadway Drainage			20%	\$ 941,794
✓	Illumination			3%	\$ 125,058
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,380,000	\$ 2,380,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 329,628
✓	Establish Turf / Erosion Control			1%	\$ 47,090
✓	Basic Landscaping			2%	\$ 94,179
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,294,467
Paving and Allowance Subtotal:					\$ 9,003,438
Construction Contingency:					15% \$ 1,350,516
Construction Cost TOTAL:					\$ 10,354,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,354,000
Engineering/Survey/Testing:		18%	\$ 1,863,720
Mobilization		5%	\$ 517,700
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,070,800
Impact Fee Project Cost TOTAL:			\$ 14,806,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-9
Name:	Oak Grove Shelby (1)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided system link.		
Limits:	Oak Grove to 1400' E of Michael			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	3,035			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	9,105	cy	\$ 38.00	\$ 345,990
237	6" Lime Stabilization (with Lime @ 32#/sy)	17,536	sy	\$ 8.00	\$ 140,284
337	11" Concrete Pavement	16,187	sy	\$ 120.00	\$ 1,942,400
437	6" Curb and Gutter	12,140	lf	\$ 15.00	\$ 182,100
537	4" Topsoil	14,838	sy	\$ 5.00	\$ 74,189
637	10' Concrete Sidewalk	60,700	sf	\$ 10.00	\$ 607,000
735	Auxiliary Lanes and Median Openings Allotment	1,219	sf	\$ 128.00	\$ 155,981
Paving Construction Cost Subtotal:					\$ 3,447,944
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 103,438
✓	Traffic Control			3%	\$ 103,438
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 68,959
✓	Roadway Drainage			20%	\$ 689,589
✓	Illumination	None Anticipated		3%	\$ 91,568
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 241,356
✓	Establish Turf / Erosion Control			1%	\$ 34,479
✓	Basic Landscaping			2%	\$ 68,959
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,401,787
Paving and Allowance Subtotal:					\$ 4,849,731
Construction Contingency:					15% \$ 727,460
Construction Cost TOTAL:					\$ 5,578,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,578,000
Engineering/Survey/Testing:		18%	\$ 1,004,040
Mobilization		5%	\$ 278,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 557,800
Impact Fee Project Cost TOTAL:			\$ 7,419,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-10
Name:	Oak Grove Shelby (2)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided system link.		
Limits:	1400' E of Michael to Race			
Impact Fee Class:	SYS-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided System Link			
Length (lf):	2,290			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
137	Unclassified Street Excavation	6,870	cy	\$ 38.00	\$ 261,060
237	6" Lime Stabilization (with Lime @ 32#/sy)	13,231	sy	\$ 8.00	\$ 105,849
337	11" Concrete Pavement	12,213	sy	\$ 120.00	\$ 1,465,600
437	6" Curb and Gutter	9,160	lf	\$ 15.00	\$ 137,400
537	4" Topsoil	11,196	sy	\$ 5.00	\$ 55,978
637	10' Concrete Sidewalk	45,800	sf	\$ 10.00	\$ 458,000
735	Auxiliary Lanes and Median Openings Allotment	919	sf	\$ 128.00	\$ 117,692
Paving Construction Cost Subtotal:					\$ 2,601,579
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 78,047
✓	Traffic Control			3%	\$ 78,047
✓	Pavement Markings/Markers			2%	\$ 52,032
✓	Roadway Drainage	Standard Internal System		20%	\$ 520,316
✓	Illumination			3%	\$ 69,091
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 182,111
✓	Establish Turf / Erosion Control			1%	\$ 26,016
✓	Basic Landscaping			2%	\$ 52,032
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,057,691
Paving and Allowance Subtotal:					\$ 3,659,270
Construction Contingency:					15% \$ 548,890
Construction Cost TOTAL:					\$ 4,209,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,209,000
Engineering/Survey/Testing:		18%	\$ 757,620
Mobilization		5%	\$ 210,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 420,900
Impact Fee Project Cost TOTAL:			\$ 5,598,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-11	
Name:	Oak Grove Shelby (3)	This project consists of the construction of a new three-lane undivided neighborhood connector.			
Limits:	Race to Rendon				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	5,260				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	10,812	cy	\$ 38.00	\$ 410,864
241	6" Lime Stabilization (with Lime @ 32#/sy)	21,040	sy	\$ 8.00	\$ 168,320
341	11" Concrete Pavement	19,871	sy	\$ 120.00	\$ 2,384,533
441	6" Curb and Gutter	10,520	lf	\$ 15.00	\$ 157,800
541	4" Topsoil	15,196	sy	\$ 5.00	\$ 75,978
641	10' Concrete Sidewalk	105,200	sf	\$ 10.00	\$ 1,052,000
739	Auxiliary Lanes and Median Openings Allotment	897	sf	\$ 128.00	\$ 114,764
Paving Construction Cost Subtotal:					\$ 4,364,259
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 130,928
✓	Traffic Control	None Anticipated		3%	\$ 130,928
✓	Pavement Markings/Markers			2%	\$ 87,285
✓	Roadway Drainage	Standard Internal System		20%	\$ 872,852
✓	Illumination			3%	\$ 115,903
✓	Special Drainage Structures	Major Stream Crossing(s)		\$ 423,500	\$ 423,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 305,498
✓	Establish Turf / Erosion Control			1%	\$ 43,643
✓	Basic Landscaping			2%	\$ 87,285
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,197,822
Paving and Allowance Subtotal:					\$ 6,562,081
Construction Contingency:					15% \$ 984,312
Construction Cost TOTAL:					\$ 7,547,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,547,000
Engineering/Survey/Testing:		18%	\$ 1,358,460
Mobilization		5%	\$ 377,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,509,400
Impact Fee Project Cost TOTAL:			\$ 10,792,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

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Project Information:		Description:	Project No. Z-12		
Name:	McPherson (7)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	Crowley to 1210' W of Deer				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	6,870				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	19,847	cy	\$ 38.00	\$ 754,173
230	6" Lime Stabilization (with Lime @ 32#/sy)	38,167	sy	\$ 8.00	\$ 305,333
330	11" Concrete Pavement	35,113	sy	\$ 120.00	\$ 4,213,600
430	6" Curb and Gutter	27,480	lf	\$ 15.00	\$ 412,200
530	4" Topsoil	33,587	sy	\$ 5.00	\$ 167,933
630	10' Concrete Sidewalk	137,400	sf	\$ 10.00	\$ 1,374,000
728	Auxiliary Lanes and Median Openings Allotment	2,758	sf	\$ 128.00	\$ 353,076
Paving Construction Cost Subtotal:					\$ 7,580,316
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW			3%	\$ 227,409
✓	Traffic Control	None Anticipated		3%	\$ 227,409
✓	Pavement Markings/Markers			2%	\$ 151,606
✓	Roadway Drainage	Standard Internal System		20%	\$ 1,516,063
✓	Illumination			3%	\$ 201,313
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 530,622
✓	Establish Turf / Erosion Control			1%	\$ 75,803
✓	Basic Landscaping			2%	\$ 151,606
✓	Other:	Railroad Crossing		\$1,000,000	\$ 1,000,000
Allowance Subtotal:					\$ 4,081,833
Paving and Allowance Subtotal:					\$ 11,662,150
Construction Contingency:					15% \$ 1,599,322
Construction Cost TOTAL:					\$ 13,262,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,262,000
Engineering/Survey/Testing:		18%	\$ 2,387,160
Mobilization		5%	\$ 663,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,652,400
Impact Fee Project Cost TOTAL:			\$ 18,965,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 6/3/2022

Project Information:		Description:	Project No.	Z-13
Name:	McPherson (8)	This project consists of the previously completed four-lane divided neighborhood connector. The City contributed \$458,135 to this project.		
Limits:	Bilsky Bay to IH-35W SBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	480			
Service Area(s):	Z			
Impact Fee Project Cost TOTAL:			\$	458,135

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 6/3/2022

Project Information:		Description:	Project No.	Z-14
Name:	McPherson (9)	This project consists of the previously completed four-lane divided neighborhood connector. The City contributed \$4,061,322 to this project.		
Limits:	IH-35W SBFR to IH-35W NBFR			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	680			
Service Area(s):	Z			
Impact Fee Project Cost TOTAL:			\$	4,061,322

NOTE: The impact free project cost for this completed project is based on actual or budgeted contruction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.		Z-15
Name:	McPherson (10)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	IH-35W NBFR to Oak Grove				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	3,520				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	10,169	cy	\$ 38.00	\$ 386,418
230	6" Lime Stabilization (with Lime @ 32#/sy)	19,556	sy	\$ 8.00	\$ 156,444
330	11" Concrete Pavement	17,991	sy	\$ 120.00	\$ 2,158,933
430	6" Curb and Gutter	14,080	lf	\$ 15.00	\$ 211,200
530	4" Topsoil	17,209	sy	\$ 5.00	\$ 86,044
630	10' Concrete Sidewalk	70,400	sf	\$ 10.00	\$ 704,000
728	Auxiliary Lanes and Median Openings Allotment	1,413	sf	\$ 128.00	\$ 180,907
Paving Construction Cost Subtotal:					\$ 3,883,947
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 116,518
✓	Traffic Control			3%	\$ 116,518
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 77,679
✓	Roadway Drainage			20%	\$ 776,789
✓	Illumination			3%	\$ 103,147
✓	Special Drainage Structures	Major Drainage Crossing		\$ 1,551,000	\$ 1,551,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 271,876
✓	Establish Turf / Erosion Control			1%	\$ 38,839
✓	Basic Landscaping			2%	\$ 77,679
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,130,047
Paving and Allowance Subtotal:					\$ 7,013,994
Construction Contingency:					15% \$ 1,052,099
Construction Cost TOTAL:					\$ 8,067,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,067,000
Engineering/Survey/Testing:		18%	\$ 1,452,060
Mobilization		5%	\$ 403,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,613,400
Impact Fee Project Cost TOTAL:			\$ 11,536,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-16	
Name:	McPherson (11)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.			
Limits:	Oak Grove to Forest Hill Everman				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	7,625				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	24,993	cy	\$ 38.00	\$ 949,736
233	6" Lime Stabilization (with Lime @ 32#/sy)	49,139	sy	\$ 8.00	\$ 393,111
333	11" Concrete Pavement	47,444	sy	\$ 120.00	\$ 5,693,333
433	6" Curb and Gutter	15,250	lf	\$ 15.00	\$ 228,750
533	4" Topsoil	28,806	sy	\$ 5.00	\$ 144,028
633	10' Concrete Sidewalk	152,500	sf	\$ 10.00	\$ 1,525,000
731	Auxiliary Lanes and Median Openings Allotment	1,300	sf	\$ 128.00	\$ 166,364
Paving Construction Cost Subtotal:					\$ 9,100,322
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	273,010
✓	Traffic Control		3%	\$	273,010
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	182,006
✓	Roadway Drainage		20%	\$	1,820,064
✓	Illumination		3%	\$	241,680
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	637,023
✓	Establish Turf / Erosion Control		1%	\$	91,003
✓	Basic Landscaping		2%	\$	182,006
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 3,699,803
Paving and Allowance Subtotal:					\$ 12,800,125
Construction Contingency:					15% \$ 1,920,019
Construction Cost TOTAL:					\$ 14,721,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 14,721,000
Engineering/Survey/Testing:		18%	\$ 2,649,780
Mobilization		5%	\$ 736,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 1,472,100
Impact Fee Project Cost TOTAL:			\$ 19,579,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.
 updated: 6/3/2022

Project Information:		Description:	Project No.	Z-17
Name:	McAlister (1)	This project consists of the previously completed three-lane undivided neighborhood connector. The City contributed \$1,538,879 to this project.		
Limits:	1430' W of IH-35W SBFR to IH-35W SBFR			
Impact Fee Class:	NCO (E)			
Ultimate Class:	Established Neighborhood Connector			
Length (lf):	1,430			
Service Area(s):	Z			
Impact Fee Project Cost TOTAL:			\$	1,538,879

NOTE: The impact free project cost for this completed project is based on actual or budgeted construction costs provided by the City.

City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-18
Name:	McAlister (2)	This project consists of the construction of a new three-lane undivided neighborhood connector.	
Limits:	635' E of IH-35W NBFR to Stone		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	675		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,388	cy	\$ 38.00	\$ 52,725
241	6" Lime Stabilization (with Lime @ 32#/sy)	2,700	sy	\$ 8.00	\$ 21,600
341	11" Concrete Pavement	2,550	sy	\$ 120.00	\$ 306,000
441	6" Curb and Gutter	1,350	lf	\$ 15.00	\$ 20,250
541	4" Topsoil	1,950	sy	\$ 5.00	\$ 9,750
641	10' Concrete Sidewalk	13,500	sf	\$ 10.00	\$ 135,000
739	Auxiliary Lanes and Median Openings Allotment	115	sf	\$ 128.00	\$ 14,727
Paving Construction Cost Subtotal:					\$ 560,052
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 16,802
✓	Traffic Control			3%	\$ 16,802
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 11,201
✓	Roadway Drainage			20%	\$ 112,010
✓	Illumination			3%	\$ 14,873
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 39,204
✓	Establish Turf / Erosion Control			1%	\$ 5,601
✓	Basic Landscaping			2%	\$ 11,201
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 227,693
Paving and Allowance Subtotal:					\$ 787,746
Construction Contingency:					15% \$ 118,162
Construction Cost TOTAL:					\$ 906,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 906,000
Engineering/Survey/Testing:		18%	\$ 163,080
Mobilization		5%	\$ 45,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 181,200
Impact Fee Project Cost TOTAL:			\$ 1,296,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-19		
Name:	Hemphill (4)	This project consists of the construction of a new four-lane divided commercial connector.			
Limits:	Everman to Risinger				
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Commercial Connector				
Length (lf):	4,525				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	13,575	cy	\$ 38.00	\$ 515,850
223	6" Lime Stabilization (with Lime @ 32#/sy)	26,144	sy	\$ 8.00	\$ 209,156
323	11" Concrete Pavement	24,133	sy	\$ 120.00	\$ 2,896,000
423	6" Curb and Gutter	18,100	lf	\$ 15.00	\$ 271,500
523	4" Topsoil	21,117	sy	\$ 5.00	\$ 105,583
623	10' Concrete Sidewalk	90,500	sf	\$ 10.00	\$ 905,000
721	Auxiliary Lanes and Median Openings Allotment	1,817	sf	\$ 128.00	\$ 232,558
Paving Construction Cost Subtotal:					\$ 5,135,646
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
√	Prep ROW	None Anticipated		3%	\$ 154,069
√	Traffic Control			3%	\$ 154,069
√	Pavement Markings/Markers	Standard Internal System		2%	\$ 102,713
√	Roadway Drainage			20%	\$ 1,027,129
√	Illumination			3%	\$ 136,389
√	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
√	Water/Sewer	Minor Adjustments		7%	\$ 359,495
√	Establish Turf / Erosion Control			1%	\$ 51,356
√	Basic Landscaping			2%	\$ 102,713
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 5,087,935
Paving and Allowance Subtotal:					\$ 10,223,581
Construction Contingency:					15% \$ 1,533,537
Construction Cost TOTAL:					\$ 11,758,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,758,000
Engineering/Survey/Testing:		18%	\$ 2,116,440
Mobilization		5%	\$ 587,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,351,600
Impact Fee Project Cost TOTAL:			\$ 16,814,000

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City of Fort Worth
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Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-20
Name:	Hemphill (5)	This project consists of the construction of a new four-lane divided neighborhood connector.	
Limits:	3870' N of McPherson to McPherson		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	3,870		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	11,180	cy	\$ 38.00	\$ 424,840
230	6" Lime Stabilization (with Lime @ 32#/sy)	21,500	sy	\$ 8.00	\$ 172,000
330	11" Concrete Pavement	19,780	sy	\$ 120.00	\$ 2,373,600
430	6" Curb and Gutter	15,480	lf	\$ 15.00	\$ 232,200
530	4" Topsoil	18,920	sy	\$ 5.00	\$ 94,600
630	10' Concrete Sidewalk	77,400	sf	\$ 10.00	\$ 774,000
728	Auxiliary Lanes and Median Openings Allotment	1,554	sf	\$ 128.00	\$ 198,895
Paving Construction Cost Subtotal:					\$ 4,270,135
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 128,104
✓	Traffic Control			3%	\$ 128,104
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 85,403
✓	Roadway Drainage			20%	\$ 854,027
✓	Illumination			3%	\$ 113,403
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 298,909
✓	Establish Turf / Erosion Control			1%	\$ 42,701
✓	Basic Landscaping			2%	\$ 85,403
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,736,055
Paving and Allowance Subtotal:					\$ 6,006,189
Construction Contingency:					15% \$ 900,928
Construction Cost TOTAL:					\$ 6,908,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,908,000
Engineering/Survey/Testing:		18%	\$ 1,243,440
Mobilization		5%	\$ 345,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,381,600
Impact Fee Project Cost TOTAL:			\$ 9,878,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

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Project Information:		Description:	Project No.		Z-21
Name:	Hemphill (6)	This project consists of the construction of a new four-lane divided neighborhood connector.			
Limits:	McPherson to 655' N of Brasenose				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	4,820				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	13,924	cy	\$ 38.00	\$ 529,129
230	6" Lime Stabilization (with Lime @ 32#/sy)	26,778	sy	\$ 8.00	\$ 214,222
330	11" Concrete Pavement	24,636	sy	\$ 120.00	\$ 2,956,267
430	6" Curb and Gutter	19,280	lf	\$ 15.00	\$ 289,200
530	4" Topsoil	23,564	sy	\$ 5.00	\$ 117,822
630	10' Concrete Sidewalk	96,400	sf	\$ 10.00	\$ 964,000
728	Auxiliary Lanes and Median Openings Allotment	1,935	sf	\$ 128.00	\$ 247,719
Paving Construction Cost Subtotal:					\$ 5,318,359
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	159,551
✓	Traffic Control		3%	\$	159,551
✓	Pavement Markings/Markers		2%	\$	106,367
✓	Roadway Drainage	Standard Internal System	20%	\$	1,063,672
✓	Illumination		3%	\$	141,241
✓	Special Drainage Structures	Major Drainage Crossing	\$ 3,000,000	\$	3,000,000
✓	Water/Sewer	Minor Adjustments	7%	\$	372,285
✓	Establish Turf / Erosion Control		1%	\$	53,184
✓	Basic Landscaping		2%	\$	106,367
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 5,162,218
Paving and Allowance Subtotal:					\$ 10,480,577
Construction Contingency:					15% \$ 1,572,086
Construction Cost TOTAL:					\$ 12,053,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,053,000
Engineering/Survey/Testing:		18%	\$ 2,169,540
Mobilization		5%	\$ 602,650
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,410,600
Impact Fee Project Cost TOTAL:			\$ 17,236,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-22		
Name:	Hemphill (7)		This project consists of the construction of the southbound lanes to complete the five-lane undivided neighborhood connector.		
Limits:	240' S of FM 1187 to 130' S of Windy Knoll				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110) (1/2)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	2,135				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
134	Unclassified Street Excavation	4,151	cy	\$ 38.00	\$ 157,753
234	6" Lime Stabilization (with Lime @ 32#/sy)	8,184	sy	\$ 8.00	\$ 65,473
334	11" Concrete Pavement	7,947	sy	\$ 120.00	\$ 953,633
434	6" Curb and Gutter	2,135	lf	\$ 15.00	\$ 32,025
534	4" Topsoil	2,728	sy	\$ 5.00	\$ 13,640
634	10' Concrete Sidewalk	21,350	sf	\$ 10.00	\$ 213,500
732	Auxiliary Lanes and Median Openings Allotment	364	sf	\$ 128.00	\$ 46,582
Paving Construction Cost Subtotal:					\$ 1,482,607
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 44,478
✓	Traffic Control			3%	\$ 44,478
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 29,652
✓	Roadway Drainage			20%	\$ 296,521
✓	Illumination	None Anticipated		3%	\$ 39,374
	Special Drainage Structures			\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 103,782
✓	Establish Turf / Erosion Control			1%	\$ 14,826
✓	Basic Landscaping			2%	\$ 29,652
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 602,765
Paving and Allowance Subtotal:					\$ 2,085,371
Construction Contingency:					15% \$ 312,806
Construction Cost TOTAL:					\$ 2,399,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,399,000
Engineering/Survey/Testing:		18%	\$ 431,820
Mobilization		5%	\$ 119,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 239,900
Impact Fee Project Cost TOTAL:			\$ 3,191,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-23
Name:	Oak Grove (1)	This project consists of the construction of the southbound lanes to complete the four-lane divided commercial connector.		
Limits:	Forum to 605' S of Forum			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110) (1/2)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	605			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
124	Unclassified Street Excavation	908	cy	\$ 38.00	\$ 34,485
224	6" Lime Stabilization (with Lime @ 32#/sy)	1,748	sy	\$ 8.00	\$ 13,982
324	11" Concrete Pavement	1,613	sy	\$ 120.00	\$ 193,600
424	6" Curb and Gutter	1,210	lf	\$ 15.00	\$ 18,150
524	4" Topsoil	1,412	sy	\$ 5.00	\$ 7,058
624	10' Concrete Sidewalk	6,050	sf	\$ 10.00	\$ 60,500
722	Auxiliary Lanes and Median Openings Allotment	243	sf	\$ 128.00	\$ 31,093
Paving Construction Cost Subtotal:					\$ 358,869
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 10,766
✓	Traffic Control			3%	\$ 10,766
✓	Pavement Markings/Markers			2%	\$ 7,177
✓	Roadway Drainage	Standard Internal System		20%	\$ 71,774
✓	Illumination			3%	\$ 9,531
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 25,121
✓	Establish Turf / Erosion Control			1%	\$ 3,589
✓	Basic Landscaping			2%	\$ 7,177
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 145,901
Paving and Allowance Subtotal:					\$ 504,770
Construction Contingency:					15% \$ 75,715
Construction Cost TOTAL:					\$ 581,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 581,000
Engineering/Survey/Testing:		18%	\$ 104,580
Mobilization		5%	\$ 29,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 58,100
Impact Fee Project Cost TOTAL:			\$ 773,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.		Z-24
Name:	Oak Grove (2)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided commercial connector.			
Limits:	605' S of Forum to Risinger				
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Commercial Connector				
Length (lf):	1,325				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	4,490	cy	\$ 38.00	\$ 170,631
225	6" Lime Stabilization (with Lime @ 32#/sy)	8,833	sy	\$ 8.00	\$ 70,667
325	11" Concrete Pavement	8,539	sy	\$ 120.00	\$ 1,024,667
425	6" Curb and Gutter	2,650	lf	\$ 15.00	\$ 39,750
525	4" Topsoil	4,711	sy	\$ 5.00	\$ 23,556
625	10' Concrete Sidewalk	26,500	sf	\$ 10.00	\$ 265,000
723	Auxiliary Lanes and Median Openings Allotment	226	sf	\$ 128.00	\$ 28,909
Paving Construction Cost Subtotal:					\$ 1,623,179
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	48,695
✓	Traffic Control		3%	\$	48,695
✓	Pavement Markings/Markers		2%	\$	32,464
✓	Roadway Drainage	Standard Internal System	20%	\$	324,636
✓	Illumination		3%	\$	43,107
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	113,622
✓	Establish Turf / Erosion Control		1%	\$	16,232
✓	Basic Landscaping		2%	\$	32,464
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 659,915
Paving and Allowance Subtotal:					\$ 2,283,094
Construction Contingency:					15% \$ 342,464
Construction Cost TOTAL:					\$ 2,626,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,626,000
Engineering/Survey/Testing:		18%	\$ 472,680
Mobilization		5%	\$ 131,300
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 262,600
Impact Fee Project Cost TOTAL:			\$ 3,493,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

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Project Information:		Description:	Project No.	Z-25
Name:	Oak Grove (3)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.		
Limits:	Risinger to 1020' S of Risinger			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	1,020			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	3,343	cy	\$ 38.00	\$ 127,047
233	6" Lime Stabilization (with Lime @ 32#/sy)	6,573	sy	\$ 8.00	\$ 52,587
333	11" Concrete Pavement	6,347	sy	\$ 120.00	\$ 761,600
433	6" Curb and Gutter	2,040	lf	\$ 15.00	\$ 30,600
533	4" Topsoil	3,853	sy	\$ 5.00	\$ 19,267
633	10' Concrete Sidewalk	20,400	sf	\$ 10.00	\$ 204,000
731	Auxiliary Lanes and Median Openings Allotment	174	sf	\$ 128.00	\$ 22,255
Paving Construction Cost Subtotal:					\$ 1,217,355
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 36,521
✓	Traffic Control			3%	\$ 36,521
✓	Pavement Markings/Markers			2%	\$ 24,347
✓	Roadway Drainage	Standard Internal System		20%	\$ 243,471
✓	Illumination			3%	\$ 32,330
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 85,215
✓	Establish Turf / Erosion Control			1%	\$ 12,174
✓	Basic Landscaping			2%	\$ 24,347
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,494,924
Paving and Allowance Subtotal:					\$ 4,712,279
Construction Contingency:					15% \$ 706,842
Construction Cost TOTAL:					\$ 5,420,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,420,000
Engineering/Survey/Testing:		18%	\$ 975,600
Mobilization		5%	\$ 271,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 542,000
Impact Fee Project Cost TOTAL:			\$ 7,209,000

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City of Fort Worth
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Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-26
Name:	Oak Grove (4)	This project consists of the construction a new five-lane undivided neighborhood connector.		
Limits:	1025' S of Risinger to Buffalo Springs			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	3,110			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	10,194	cy	\$ 38.00	\$ 387,368
233	6" Lime Stabilization (with Lime @ 32#/sy)	20,042	sy	\$ 8.00	\$ 160,338
333	11" Concrete Pavement	19,351	sy	\$ 120.00	\$ 2,322,133
433	6" Curb and Gutter	6,220	lf	\$ 15.00	\$ 93,300
533	4" Topsoil	11,749	sy	\$ 5.00	\$ 58,744
633	10' Concrete Sidewalk	62,200	sf	\$ 10.00	\$ 622,000
731	Auxiliary Lanes and Median Openings Allotment	530	sf	\$ 128.00	\$ 67,855
Paving Construction Cost Subtotal:					\$ 3,711,738
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 111,352
✓	Traffic Control			3%	\$ 111,352
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 74,235
✓	Roadway Drainage			20%	\$ 742,348
✓	Illumination			3%	\$ 98,574
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,887,500	\$ 2,887,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 259,822
✓	Establish Turf / Erosion Control			1%	\$ 37,117
✓	Basic Landscaping			2%	\$ 74,235
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,396,534
Paving and Allowance Subtotal:					\$ 8,108,272
Construction Contingency:					15% \$ 1,216,241
Construction Cost TOTAL:					\$ 9,325,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 9,325,000
Engineering/Survey/Testing:		18%	\$ 1,678,500
Mobilization		5%	\$ 466,250
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,865,000
Impact Fee Project Cost TOTAL:			\$ 13,335,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-27
Name:	Oak Grove (5)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.	
Limits:	Buffalo Springs to McPherson		
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)		
Ultimate Class:	5 Lane Undivided Neighborhood Connector		
Length (lf):	830		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,721	cy	\$ 38.00	\$ 103,381
233	6" Lime Stabilization (with Lime @ 32#/sy)	5,349	sy	\$ 8.00	\$ 42,791
333	11" Concrete Pavement	5,164	sy	\$ 120.00	\$ 619,733
433	6" Curb and Gutter	1,660	lf	\$ 15.00	\$ 24,900
533	4" Topsoil	3,136	sy	\$ 5.00	\$ 15,678
633	10' Concrete Sidewalk	16,600	sf	\$ 10.00	\$ 166,000
731	Auxiliary Lanes and Median Openings Allotment	141	sf	\$ 128.00	\$ 18,109
Paving Construction Cost Subtotal:					\$ 990,592
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,718
✓	Traffic Control			3%	\$ 29,718
✓	Pavement Markings/Markers			2%	\$ 19,812
✓	Roadway Drainage	Standard Internal System		20%	\$ 198,118
✓	Illumination			3%	\$ 26,307
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 69,341
✓	Establish Turf / Erosion Control			1%	\$ 9,906
✓	Basic Landscaping			2%	\$ 19,812
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 402,733
Paving and Allowance Subtotal:					\$ 1,393,325
Construction Contingency:					15% \$ 208,999
Construction Cost TOTAL:					\$ 1,603,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,603,000
Engineering/Survey/Testing:		18%	\$ 288,540
Mobilization		5%	\$ 80,150
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 160,300
Impact Fee Project Cost TOTAL:			\$ 2,132,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-28
Name:	Oak Grove (6)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.		
Limits:	McPherson to Oak Grove			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	2,340			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	7,670	cy	\$ 38.00	\$ 291,460
233	6" Lime Stabilization (with Lime @ 32#/sy)	15,080	sy	\$ 8.00	\$ 120,640
333	11" Concrete Pavement	14,560	sy	\$ 120.00	\$ 1,747,200
433	6" Curb and Gutter	4,680	lf	\$ 15.00	\$ 70,200
533	4" Topsoil	8,840	sy	\$ 5.00	\$ 44,200
633	10' Concrete Sidewalk	46,800	sf	\$ 10.00	\$ 468,000
731	Auxiliary Lanes and Median Openings Allotment	399	sf	\$ 128.00	\$ 51,055
Paving Construction Cost Subtotal:					\$ 2,792,755
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 83,783
✓	Traffic Control			3%	\$ 83,783
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 55,855
✓	Roadway Drainage			20%	\$ 558,551
✓	Illumination			3%	\$ 74,168
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 195,493
✓	Establish Turf / Erosion Control			1%	\$ 27,928
✓	Basic Landscaping			2%	\$ 55,855
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,135,415
Paving and Allowance Subtotal:					\$ 6,928,169
Construction Contingency:					15% \$ 1,039,225
Construction Cost TOTAL:					\$ 7,968,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 7,968,000
Engineering/Survey/Testing:		18%	\$ 1,434,240
Mobilization		5%	\$ 398,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 796,800
Impact Fee Project Cost TOTAL:			\$ 10,597,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-29
Name:	Stone (1)	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Oak Grove to Nelson			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,755			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,959	cy	\$ 38.00	\$ 302,438
230	6" Lime Stabilization (with Lime @ 32#/sy)	15,306	sy	\$ 8.00	\$ 122,444
330	11" Concrete Pavement	14,081	sy	\$ 120.00	\$ 1,689,733
430	6" Curb and Gutter	11,020	lf	\$ 15.00	\$ 165,300
530	4" Topsoil	13,469	sy	\$ 5.00	\$ 67,344
630	10' Concrete Sidewalk	55,100	sf	\$ 10.00	\$ 551,000
728	Auxiliary Lanes and Median Openings Allotment	1,106	sf	\$ 128.00	\$ 141,590
Paving Construction Cost Subtotal:					\$ 3,039,850
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 91,196
✓	Traffic Control			3%	\$ 91,196
✓	Pavement Markings/Markers			2%	\$ 60,797
✓	Roadway Drainage	Standard Internal System		20%	\$ 607,970
✓	Illumination			3%	\$ 80,730
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 212,790
✓	Establish Turf / Erosion Control			1%	\$ 30,399
✓	Basic Landscaping			2%	\$ 60,797
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,235,873
Paving and Allowance Subtotal:					\$ 4,275,724
Construction Contingency:					15% \$ 641,359
Construction Cost TOTAL:					\$ 4,918,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,918,000
Engineering/Survey/Testing:		18%	\$ 885,240
Mobilization		5%	\$ 245,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 491,800
Impact Fee Project Cost TOTAL:			\$ 6,541,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-30
Name:	Stone (2)	This project consists of the construction a new four-lane divided commercial connector.		
Limits:	Nelson to FM 1187			
Impact Fee Class:	CCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Commercial Connector			
Length (lf):	4,745			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
123	Unclassified Street Excavation	14,235	cy	\$ 38.00	\$ 540,930
223	6" Lime Stabilization (with Lime @ 32#/sy)	27,416	sy	\$ 8.00	\$ 219,324
323	11" Concrete Pavement	25,307	sy	\$ 120.00	\$ 3,036,800
423	6" Curb and Gutter	18,980	lf	\$ 15.00	\$ 284,700
523	4" Topsoil	22,143	sy	\$ 5.00	\$ 110,717
623	10' Concrete Sidewalk	94,900	sf	\$ 10.00	\$ 949,000
721	Auxiliary Lanes and Median Openings Allotment	1,905	sf	\$ 128.00	\$ 243,864
Paving Construction Cost Subtotal:					\$ 5,385,335
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 161,560
✓	Traffic Control			3%	\$ 161,560
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 107,707
✓	Roadway Drainage			20%	\$ 1,077,067
✓	Illumination			3%	\$ 143,020
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 376,973
✓	Establish Turf / Erosion Control			1%	\$ 53,853
✓	Basic Landscaping			2%	\$ 107,707
	Other:			\$0	-
Allowance Subtotal:					\$ 5,189,448
Paving and Allowance Subtotal:					\$ 10,574,783
Construction Contingency:					15% \$ 1,586,217
Construction Cost TOTAL:					\$ 12,162,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 12,162,000
Engineering/Survey/Testing:		18%	\$ 2,189,160
Mobilization		5%	\$ 608,100
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,432,400
Impact Fee Project Cost TOTAL:			\$ 17,392,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.
Name:	Stone (3)	This project consists of the construction a new five-lane undivided commercial connector.	Z-31
Limits:	FM 1187 to McAlister		
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)		
Ultimate Class:	5 Lane Undivided Commercial Connector		
Length (lf):	2,325		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	7,879	cy	\$ 38.00	\$ 299,408
225	6" Lime Stabilization (with Lime @ 32#/sy)	15,500	sy	\$ 8.00	\$ 124,000
325	11" Concrete Pavement	14,983	sy	\$ 120.00	\$ 1,798,000
425	6" Curb and Gutter	4,650	lf	\$ 15.00	\$ 69,750
525	4" Topsoil	8,267	sy	\$ 5.00	\$ 41,333
625	10' Concrete Sidewalk	46,500	sf	\$ 10.00	\$ 465,000
723	Auxiliary Lanes and Median Openings Allotment	396	sf	\$ 128.00	\$ 50,727
Paving Construction Cost Subtotal:					\$ 2,848,219
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 85,447
✓	Traffic Control			3%	\$ 85,447
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 56,964
✓	Roadway Drainage			20%	\$ 569,644
✓	Illumination			3%	\$ 75,641
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 199,375
✓	Establish Turf / Erosion Control			1%	\$ 28,482
✓	Basic Landscaping			2%	\$ 56,964
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,157,964
Paving and Allowance Subtotal:					\$ 4,006,183
Construction Contingency:					15% \$ 600,927
Construction Cost TOTAL:					\$ 4,608,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,608,000
Engineering/Survey/Testing:		18%	\$ 829,440
Mobilization		5%	\$ 230,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 921,600
Impact Fee Project Cost TOTAL:			\$ 6,589,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-32
Name:	Stone (4)	This project consists of the construction a new five-lane undivided commerical connector.		
Limits:	McAlister to Alsbury			
Impact Fee Class:	CCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Commercial Connector			
Length (lf):	3,260			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
125	Unclassified Street Excavation	11,048	cy	\$ 38.00	\$ 419,816
225	6" Lime Stabilization (with Lime @ 32#/sy)	21,733	sy	\$ 8.00	\$ 173,867
325	11" Concrete Pavement	21,009	sy	\$ 120.00	\$ 2,521,067
425	6" Curb and Gutter	6,520	lf	\$ 15.00	\$ 97,800
525	4" Topsoil	11,591	sy	\$ 5.00	\$ 57,956
625	10' Concrete Sidewalk	65,200	sf	\$ 10.00	\$ 652,000
723	Auxiliary Lanes and Median Openings Allotment	556	sf	\$ 128.00	\$ 71,127
Paving Construction Cost Subtotal:					\$ 3,993,632
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	119,809
✓	Traffic Control		3%	\$	119,809
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	79,873
✓	Roadway Drainage		20%	\$	798,726
✓	Illumination		3%	\$	106,060
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	279,554
✓	Establish Turf / Erosion Control		1%	\$	39,936
✓	Basic Landscaping		2%	\$	79,873
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 1,623,640
Paving and Allowance Subtotal:					\$ 5,617,272
Construction Contingency:					15% \$ 842,591
Construction Cost TOTAL:					\$ 6,460,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 6,460,000
Engineering/Survey/Testing:		18%	\$ 1,162,800
Mobilization		5%	\$ 323,000
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 1,292,000
Impact Fee Project Cost TOTAL:			\$ 9,238,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-33		
Name:	Balch (1)	This project consists of the construction of the northbound lanes to complete the four-lane divided neighborhood connector.			
Limits:	Shelby to 250' N of Oak Grove Shelby				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	2,385				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	3,445	cy	\$ 38.00	\$ 130,910
231	6" Lime Stabilization (with Lime @ 32#/sy)	6,625	sy	\$ 8.00	\$ 53,000
331	11" Concrete Pavement	6,095	sy	\$ 120.00	\$ 731,400
431	6" Curb and Gutter	4,770	lf	\$ 15.00	\$ 71,550
531	4" Topsoil	5,830	sy	\$ 5.00	\$ 29,150
631	10' Concrete Sidewalk	23,850	sf	\$ 10.00	\$ 238,500
729	Auxiliary Lanes and Median Openings Allotment	958	sf	\$ 128.00	\$ 122,575
Paving Construction Cost Subtotal:					\$ 1,377,085
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	41,313
✓	Traffic Control		3%	\$	41,313
✓	Pavement Markings/Markers		2%	\$	27,542
✓	Roadway Drainage	Standard Internal System	20%	\$	275,417
✓	Illumination		3%	\$	36,572
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	96,396
✓	Establish Turf / Erosion Control		1%	\$	13,771
✓	Basic Landscaping		2%	\$	27,542
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 559,864
Paving and Allowance Subtotal:					\$ 1,936,948
Construction Contingency:					15% \$ 290,542
Construction Cost TOTAL:					\$ 2,228,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,228,000
Engineering/Survey/Testing:		18%	\$ 401,040
Mobilization		5%	\$ 111,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 222,800
Impact Fee Project Cost TOTAL:			\$ 2,963,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.
Name:	Balch (2)	This project consists of the construction a new four-lane divided neighborhood connector.	Z-34
Limits:	250' N of Oak Grove Shelby to Risinger		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	380		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	1,098	cy	\$ 38.00	\$ 41,716
230	6" Lime Stabilization (with Lime @ 32#/sy)	2,111	sy	\$ 8.00	\$ 16,889
330	11" Concrete Pavement	1,942	sy	\$ 120.00	\$ 233,067
430	6" Curb and Gutter	1,520	lf	\$ 15.00	\$ 22,800
530	4" Topsoil	1,858	sy	\$ 5.00	\$ 9,289
630	10' Concrete Sidewalk	7,600	sf	\$ 10.00	\$ 76,000
728	Auxiliary Lanes and Median Openings Allotment	153	sf	\$ 128.00	\$ 19,530
Paving Construction Cost Subtotal:					\$ 419,290
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 12,579
✓	Traffic Control			3%	\$ 12,579
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 8,386
✓	Roadway Drainage			20%	\$ 83,858
✓	Illumination			3%	\$ 11,135
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 29,350
✓	Establish Turf / Erosion Control			1%	\$ 4,193
✓	Basic Landscaping			2%	\$ 8,386
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 170,465
Paving and Allowance Subtotal:					\$ 589,755
Construction Contingency:					15% \$ 88,463
Construction Cost TOTAL:					\$ 679,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 679,000
Engineering/Survey/Testing:		18%	\$ 122,220
Mobilization		5%	\$ 33,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 135,800
Impact Fee Project Cost TOTAL:			\$ 971,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-35		
Name:	Wichita (1)	This project consists of the construction of the eastbound lanes to complete the four-lane divided neighborhood connector.			
Limits:	Race to 795' W of Race				
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110) (1/2)				
Ultimate Class:	4 Lane Divided Neighborhood Connector				
Length (lf):	795				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
131	Unclassified Street Excavation	1,148	cy	\$ 38.00	\$ 43,637
231	6" Lime Stabilization (with Lime @ 32#/sy)	2,208	sy	\$ 8.00	\$ 17,667
331	11" Concrete Pavement	2,032	sy	\$ 120.00	\$ 243,800
431	6" Curb and Gutter	1,590	lf	\$ 15.00	\$ 23,850
531	4" Topsoil	1,943	sy	\$ 5.00	\$ 9,717
631	10' Concrete Sidewalk	7,950	sf	\$ 10.00	\$ 79,500
729	Auxiliary Lanes and Median Openings Allotment	319	sf	\$ 128.00	\$ 40,858
Paving Construction Cost Subtotal:					\$ 459,028
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 13,771
✓	Traffic Control			3%	\$ 13,771
✓	Pavement Markings/Markers			2%	\$ 9,181
✓	Roadway Drainage	Standard Internal System		20%	\$ 91,806
✓	Illumination			3%	\$ 12,191
✓	Special Drainage Structures	Major Stream Crossing(s)		\$ 396,000	\$ 396,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 32,132
✓	Establish Turf / Erosion Control			1%	\$ 4,590
✓	Basic Landscaping			2%	\$ 9,181
	Other:			\$0	-
Allowance Subtotal:					\$ 582,621
Paving and Allowance Subtotal:					\$ 1,041,649
Construction Contingency:					15% \$ 156,247
Construction Cost TOTAL:					\$ 1,198,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,198,000
Engineering/Survey/Testing:		18%	\$ 215,640
Mobilization		5%	\$ 59,900
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 119,800
Impact Fee Project Cost TOTAL:			\$ 1,593,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-36
Name:	Wichita (2)	This project consists of the construction a new four-lane divided neighborhood connector.		
Limits:	795' W of Race to McPherson			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	4,445			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	12,841	cy	\$ 38.00	\$ 487,962
230	6" Lime Stabilization (with Lime @ 32#/sy)	24,694	sy	\$ 8.00	\$ 197,556
330	11" Concrete Pavement	22,719	sy	\$ 120.00	\$ 2,726,267
430	6" Curb and Gutter	17,780	lf	\$ 15.00	\$ 266,700
530	4" Topsoil	21,731	sy	\$ 5.00	\$ 108,656
630	10' Concrete Sidewalk	88,900	sf	\$ 10.00	\$ 889,000
728	Auxiliary Lanes and Median Openings Allotment	1,785	sf	\$ 128.00	\$ 228,446
Paving Construction Cost Subtotal:					\$ 4,904,586
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 147,138
✓	Traffic Control			3%	\$ 147,138
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 98,092
✓	Roadway Drainage			20%	\$ 980,917
✓	Illumination			3%	\$ 130,253
✓	Special Drainage Structures	Major Drainage Crossing		\$ 3,000,000	\$ 3,000,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 343,321
✓	Establish Turf / Erosion Control			1%	\$ 49,046
✓	Basic Landscaping			2%	\$ 98,092
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 4,993,995
Paving and Allowance Subtotal:					\$ 9,898,581
Construction Contingency:					15% \$ 1,484,787
Construction Cost TOTAL:					\$ 11,384,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 11,384,000
Engineering/Survey/Testing:		18%	\$ 2,049,120
Mobilization		5%	\$ 569,200
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,276,800
Impact Fee Project Cost TOTAL:			\$ 16,279,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.
Name:	Wichita (3)	This project consists of the construction a new four-lane divided neighborhood connector.	Z-37
Limits:	McPherson to Nicole		
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)		
Ultimate Class:	4 Lane Divided Neighborhood Connector		
Length (lf):	5,070		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	14,647	cy	\$ 38.00	\$ 556,573
230	6" Lime Stabilization (with Lime @ 32#/sy)	28,167	sy	\$ 8.00	\$ 225,333
330	11" Concrete Pavement	25,913	sy	\$ 120.00	\$ 3,109,600
430	6" Curb and Gutter	20,280	lf	\$ 15.00	\$ 304,200
530	4" Topsoil	24,787	sy	\$ 5.00	\$ 123,933
630	10' Concrete Sidewalk	101,400	sf	\$ 10.00	\$ 1,014,000
728	Auxiliary Lanes and Median Openings Allotment	2,036	sf	\$ 128.00	\$ 260,567
Paving Construction Cost Subtotal:					\$ 5,594,207
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 167,826
✓	Traffic Control			3%	\$ 167,826
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 111,884
✓	Roadway Drainage			20%	\$ 1,118,841
✓	Illumination			3%	\$ 148,567
✓	Special Drainage Structures	Major Drainage Crossing		\$ 1,584,000	\$ 1,584,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 391,595
✓	Establish Turf / Erosion Control			1%	\$ 55,942
✓	Basic Landscaping			2%	\$ 111,884
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 3,858,366
Paving and Allowance Subtotal:					\$ 9,452,573
Construction Contingency:					15% \$ 1,417,886
Construction Cost TOTAL:					\$ 10,871,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 10,871,000
Engineering/Survey/Testing:		18%	\$ 1,956,780
Mobilization		5%	\$ 543,550
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,174,200
Impact Fee Project Cost TOTAL:			\$ 15,546,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-38
Name:	Oak Grove (7)	This project consists of the construction a new five-lane undivided neighborhood connector.		
Limits:	Nelson to 310' S of Nelson			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	310			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	1,016	cy	\$ 38.00	\$ 38,612
233	6" Lime Stabilization (with Lime @ 32#/sy)	1,998	sy	\$ 8.00	\$ 15,982
333	11" Concrete Pavement	1,929	sy	\$ 120.00	\$ 231,467
433	6" Curb and Gutter	620	lf	\$ 15.00	\$ 9,300
533	4" Topsoil	1,171	sy	\$ 5.00	\$ 5,856
633	10' Concrete Sidewalk	6,200	sf	\$ 10.00	\$ 62,000
731	Auxiliary Lanes and Median Openings Allotment	53	sf	\$ 128.00	\$ 6,764
Paving Construction Cost Subtotal:					\$ 369,980
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	None Anticipated	3%	\$	11,099
✓	Traffic Control		3%	\$	11,099
✓	Pavement Markings/Markers	Standard Internal System	2%	\$	7,400
✓	Roadway Drainage		20%	\$	73,996
✓	Illumination		3%	\$	9,826
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	25,899
✓	Establish Turf / Erosion Control		1%	\$	3,700
✓	Basic Landscaping		2%	\$	7,400
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 150,418
Paving and Allowance Subtotal:					\$ 520,399
Construction Contingency:					15% \$ 78,060
Construction Cost TOTAL:					\$ 599,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 599,000
Engineering/Survey/Testing:		18%	\$ 107,820
Mobilization		5%	\$ 29,950
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 119,800
Impact Fee Project Cost TOTAL:			\$ 857,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-39
Name:	Oak Grove (8)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.		
Limits:	310' S of Nelson to 260' S of Smallwood			
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)			
Ultimate Class:	5 Lane Undivided Neighborhood Connector			
Length (lf):	820			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	2,688	cy	\$ 38.00	\$ 102,136
233	6" Lime Stabilization (with Lime @ 32#/sy)	5,284	sy	\$ 8.00	\$ 42,276
333	11" Concrete Pavement	5,102	sy	\$ 120.00	\$ 612,267
433	6" Curb and Gutter	1,640	lf	\$ 15.00	\$ 24,600
533	4" Topsoil	3,098	sy	\$ 5.00	\$ 15,489
633	10' Concrete Sidewalk	16,400	sf	\$ 10.00	\$ 164,000
731	Auxiliary Lanes and Median Openings Allotment	140	sf	\$ 128.00	\$ 17,891
Paving Construction Cost Subtotal:					\$ 978,658
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 29,360
✓	Traffic Control			3%	\$ 29,360
✓	Pavement Markings/Markers			2%	\$ 19,573
✓	Roadway Drainage	Standard Internal System		20%	\$ 195,732
✓	Illumination			3%	\$ 25,991
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 770,000	\$ 770,000
✓	Water/Sewer	Minor Adjustments		7%	\$ 68,506
✓	Establish Turf / Erosion Control			1%	\$ 9,787
✓	Basic Landscaping			2%	\$ 19,573
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,167,880
Paving and Allowance Subtotal:					\$ 2,146,538
Construction Contingency:					15% \$ 321,981
Construction Cost TOTAL:					\$ 2,469,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 2,469,000
Engineering/Survey/Testing:		18%	\$ 444,420
Mobilization		5%	\$ 123,450
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 246,900
Impact Fee Project Cost TOTAL:			\$ 3,284,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.		Z-40
Name:	Oak Grove (9)	This project consists of the widening and reconstruction of the existing asphalt as a five-lane undivided neighborhood connector.			
Limits:	310' S of Nelson to Rendon Crowley				
Impact Fee Class:	NCO-L2-T0-TWLT-P0-BOP (110)				
Ultimate Class:	5 Lane Undivided Neighborhood Connector				
Length (lf):	2,665				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
133	Unclassified Street Excavation	8,735	cy	\$ 38.00	\$ 331,941
233	6" Lime Stabilization (with Lime @ 32#/sy)	17,174	sy	\$ 8.00	\$ 137,396
333	11" Concrete Pavement	16,582	sy	\$ 120.00	\$ 1,989,867
433	6" Curb and Gutter	5,330	lf	\$ 15.00	\$ 79,950
533	4" Topsoil	10,068	sy	\$ 5.00	\$ 50,339
633	10' Concrete Sidewalk	53,300	sf	\$ 10.00	\$ 533,000
731	Auxiliary Lanes and Median Openings Allotment	454	sf	\$ 128.00	\$ 58,145
Paving Construction Cost Subtotal:					\$ 3,180,637
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW		3%	\$	95,419
✓	Traffic Control	Construction Phase Traffic Control	3%	\$	95,419
✓	Pavement Markings/Markers		2%	\$	63,613
✓	Roadway Drainage	Standard Internal System	20%	\$	636,127
✓	Illumination		3%	\$	84,469
✓	Special Drainage Structures	Major Drainage Crossing	\$ 3,000,000	\$	3,000,000
✓	Water/Sewer	Minor Adjustments	7%	\$	222,645
✓	Establish Turf / Erosion Control		1%	\$	31,806
✓	Basic Landscaping		2%	\$	63,613
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 4,293,111
Paving and Allowance Subtotal:					\$ 7,473,748
Construction Contingency:					15% \$ 1,121,062
Construction Cost TOTAL:					\$ 8,595,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 8,595,000
Engineering/Survey/Testing:		18%	\$ 1,547,100
Mobilization		5%	\$ 429,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 859,500
Impact Fee Project Cost TOTAL:			\$ 11,431,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-41
Name:	Wildcat Way (1)	This project consists of the construction a new three-lane undivided neighborhood connector.		
Limits:	Rendon Crowley to Burleson Retta			
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)			
Ultimate Class:	3 Lane Undivided Neighborhood Connector			
Length (lf):	8,165			
Service Area(s):	Z			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	16,784	cy	\$ 38.00	\$ 637,777
241	6" Lime Stabilization (with Lime @ 32#/sy)	32,660	sy	\$ 8.00	\$ 261,280
341	11" Concrete Pavement	30,846	sy	\$ 120.00	\$ 3,701,467
441	6" Curb and Gutter	16,330	lf	\$ 15.00	\$ 244,950
541	4" Topsoil	23,588	sy	\$ 5.00	\$ 117,939
641	10' Concrete Sidewalk	163,300	sf	\$ 10.00	\$ 1,633,000
739	Auxiliary Lanes and Median Openings Allotment	1,392	sf	\$ 128.00	\$ 178,145
Paving Construction Cost Subtotal:					\$ 6,774,558
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 203,237
✓	Traffic Control			3%	\$ 203,237
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 135,491
✓	Roadway Drainage			20%	\$ 1,354,912
✓	Illumination			3%	\$ 179,914
✓	Special Drainage Structures	Major Drainage Crossing		\$ 2,502,500	\$ 2,502,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 474,219
✓	Establish Turf / Erosion Control			1%	\$ 67,746
✓	Basic Landscaping			2%	\$ 135,491
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 5,256,746
Paving and Allowance Subtotal:					\$ 12,031,305
Construction Contingency:					15% \$ 1,804,696
Construction Cost TOTAL:					\$ 13,837,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 13,837,000
Engineering/Survey/Testing:		18%	\$ 2,490,660
Mobilization		5%	\$ 691,850
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 2,767,400
Impact Fee Project Cost TOTAL:			\$ 19,787,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-42		
Name:	Wildcat Way (2)		This project consists of the widening and reconstruction of the existing asphalt as a three-lane undivided neighborhood connector.		
Limits:	Burleson Retta to 455' S of Thomas Crossing				
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)				
Ultimate Class:	3 Lane Undivided Neighborhood Connector				
Length (lf):	2,315				
Service Area(s):	Z				
Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	4,759	cy	\$ 38.00	\$ 180,827
241	6" Lime Stabilization (with Lime @ 32#/sy)	9,260	sy	\$ 8.00	\$ 74,080
341	11" Concrete Pavement	8,746	sy	\$ 120.00	\$ 1,049,467
441	6" Curb and Gutter	4,630	lf	\$ 15.00	\$ 69,450
541	4" Topsoil	6,688	sy	\$ 5.00	\$ 33,439
641	10' Concrete Sidewalk	46,300	sf	\$ 10.00	\$ 463,000
739	Auxiliary Lanes and Median Openings Allotment	395	sf	\$ 128.00	\$ 50,509
Paving Construction Cost Subtotal:					\$ 1,920,772
Major Construction Component Allowances:					
Item Description		Notes	Allowance	Item Cost	
✓	Prep ROW	Construction Phase Traffic Control	3%	\$	57,623
✓	Traffic Control		3%	\$	57,623
✓	Pavement Markings/Markers		2%	\$	38,415
✓	Roadway Drainage		20%	\$	384,154
✓	Illumination	Standard Internal System	3%	\$	51,011
	Special Drainage Structures	None Anticipated	\$ -	\$	-
✓	Water/Sewer	Minor Adjustments	7%	\$	134,454
✓	Establish Turf / Erosion Control		1%	\$	19,208
✓	Basic Landscaping		2%	\$	38,415
	Other:		\$0	\$	-
Allowance Subtotal:					\$ 780,904
Paving and Allowance Subtotal:					\$ 2,701,676
Construction Contingency:					15% \$ 405,251
Construction Cost TOTAL:					\$ 3,107,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 3,107,000
Engineering/Survey/Testing:		18%	\$ 559,260
Mobilization		5%	\$ 155,350
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 310,700
Impact Fee Project Cost TOTAL:			\$ 4,132,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-43
Name:	Wildcat Way (3)	This project consists of the construction of a new three-lane undivided neighborhood connector.	
Limits:	Abner Lee to 615' S of Abner Lee		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	615		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,264	cy	\$ 38.00	\$ 48,038
241	6" Lime Stabilization (with Lime @ 32#/sy)	2,460	sy	\$ 8.00	\$ 19,680
341	11" Concrete Pavement	2,323	sy	\$ 120.00	\$ 278,800
441	6" Curb and Gutter	1,230	lf	\$ 15.00	\$ 18,450
541	4" Topsoil	1,777	sy	\$ 5.00	\$ 8,883
641	10' Concrete Sidewalk	12,300	sf	\$ 10.00	\$ 123,000
739	Auxiliary Lanes and Median Openings Allotment	105	sf	\$ 128.00	\$ 13,418
Paving Construction Cost Subtotal:					\$ 510,270
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 15,308
✓	Traffic Control			3%	\$ 15,308
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 10,205
✓	Roadway Drainage			20%	\$ 102,054
✓	Illumination			3%	\$ 13,551
✓	Special Drainage Structures	Major Stream Crossing(s)		\$ 442,750	\$ 442,750
✓	Water/Sewer	Minor Adjustments		7%	\$ 35,719
✓	Establish Turf / Erosion Control			1%	\$ 5,103
✓	Basic Landscaping			2%	\$ 10,205
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 650,204
Paving and Allowance Subtotal:					\$ 1,160,474
Construction Contingency:					15% \$ 174,071
Construction Cost TOTAL:					\$ 1,335,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,335,000
Engineering/Survey/Testing:		18%	\$ 240,300
Mobilization		5%	\$ 66,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 267,000
Impact Fee Project Cost TOTAL:			\$ 1,909,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No. Z-44
Name:	Abner Drive	This project consists of the construction of a new three-lane undivided neighborhood connector.	
Limits:	1195' W of Wildcat Way to 260' W of Wildcat Way		
Impact Fee Class:	NCO-L1-T0-TWLT-P0-BOP (80)		
Ultimate Class:	3 Lane Undivided Neighborhood Connector		
Length (lf):	935		
Service Area(s):	Z		

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
141	Unclassified Street Excavation	1,922	cy	\$ 38.00	\$ 73,034
241	6" Lime Stabilization (with Lime @ 32#/sy)	3,740	sy	\$ 8.00	\$ 29,920
341	11" Concrete Pavement	3,532	sy	\$ 120.00	\$ 423,867
441	6" Curb and Gutter	1,870	lf	\$ 15.00	\$ 28,050
541	4" Topsoil	2,701	sy	\$ 5.00	\$ 13,506
641	10' Concrete Sidewalk	18,700	sf	\$ 10.00	\$ 187,000
739	Auxiliary Lanes and Median Openings Allotment	159	sf	\$ 128.00	\$ 20,400
Paving Construction Cost Subtotal:					\$ 775,776
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	None Anticipated		3%	\$ 23,273
✓	Traffic Control			3%	\$ 23,273
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 15,516
✓	Roadway Drainage			20%	\$ 155,155
✓	Illumination			3%	\$ 20,603
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 54,304
✓	Establish Turf / Erosion Control			1%	\$ 7,758
✓	Basic Landscaping			2%	\$ 15,516
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 315,397
Paving and Allowance Subtotal:					\$ 1,091,174
Construction Contingency:					15% \$ 163,676
Construction Cost TOTAL:					\$ 1,255,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 1,255,000
Engineering/Survey/Testing:		18%	\$ 225,900
Mobilization		5%	\$ 62,750
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	New Roadway Alignment	20%	\$ 251,000
Impact Fee Project Cost TOTAL:			\$ 1,795,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-45
Name:	Forest Hill	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	645' N of Chambers Creek to Shelby			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,395			
Service Area(s):	Z, Everman			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	6,919	cy	\$ 38.00	\$ 262,918
230	6" Lime Stabilization (with Lime @ 32#/sy)	13,306	sy	\$ 8.00	\$ 106,444
330	11" Concrete Pavement	12,241	sy	\$ 120.00	\$ 1,468,933
430	6" Curb and Gutter	9,580	lf	\$ 15.00	\$ 143,700
530	4" Topsoil	11,709	sy	\$ 5.00	\$ 58,544
630	10' Concrete Sidewalk	47,900	sf	\$ 10.00	\$ 479,000
728	Auxiliary Lanes and Median Openings Allotment	962	sf	\$ 128.00	\$ 123,088
Paving Construction Cost Subtotal:					\$ 2,642,628
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 79,279
✓	Traffic Control			3%	\$ 79,279
✓	Pavement Markings/Markers			2%	\$ 52,853
✓	Roadway Drainage	Standard Internal System		20%	\$ 528,526
✓	Illumination			3%	\$ 70,181
✓	Special Drainage Structures	Drainage Crossing(s)		\$ 1,402,500	\$ 1,402,500
✓	Water/Sewer	Minor Adjustments		7%	\$ 184,984
✓	Establish Turf / Erosion Control			1%	\$ 26,426
✓	Basic Landscaping			2%	\$ 52,853
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 2,476,880
Paving and Allowance Subtotal:					\$ 5,119,508
Construction Contingency:					15% \$ 767,926
Construction Cost TOTAL:					\$ 5,888,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 5,888,000
Engineering/Survey/Testing:		18%	\$ 1,059,840
Mobilization		5%	\$ 294,400
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 588,800
Impact Fee Project Cost TOTAL:			\$ 7,831,000

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City of Fort Worth
2022 Transportation Impact Fee Study
Conceptual Level Project Cost Projection

Kimley-Horn and Associates, Inc.

updated:

6/3/2022

Project Information:		Description:	Project No.	Z-46
Name:	Rendon	This project consists of the widening and reconstruction of the existing asphalt as a four-lane divided neighborhood connector.		
Limits:	Shelby to Oak Grove Shelby			
Impact Fee Class:	NCO-L2-T0-NTMS-P0-BOP (110)			
Ultimate Class:	4 Lane Divided Neighborhood Connector			
Length (lf):	2,555			
Service Area(s):	Z, ETJ			

Roadway Construction Cost Projection					
No.	Item Description	Quantity	Unit	Unit Price	Item Cost
130	Unclassified Street Excavation	7,381	cy	\$ 38.00	\$ 280,482
230	6" Lime Stabilization (with Lime @ 32#/sy)	14,194	sy	\$ 8.00	\$ 113,556
330	11" Concrete Pavement	13,059	sy	\$ 120.00	\$ 1,567,067
430	6" Curb and Gutter	10,220	lf	\$ 15.00	\$ 153,300
530	4" Topsoil	12,491	sy	\$ 5.00	\$ 62,456
630	10' Concrete Sidewalk	51,100	sf	\$ 10.00	\$ 511,000
728	Auxiliary Lanes and Median Openings Allotment	1,026	sf	\$ 128.00	\$ 131,312
Paving Construction Cost Subtotal:					\$ 2,819,172
Major Construction Component Allowances:					
Item Description		Notes		Allowance	Item Cost
✓	Prep ROW	Construction Phase Traffic Control		3%	\$ 84,575
✓	Traffic Control			3%	\$ 84,575
✓	Pavement Markings/Markers	Standard Internal System		2%	\$ 56,383
✓	Roadway Drainage			20%	\$ 563,834
✓	Illumination			3%	\$ 74,870
	Special Drainage Structures	None Anticipated		\$ -	\$ -
✓	Water/Sewer	Minor Adjustments		7%	\$ 197,342
✓	Establish Turf / Erosion Control			1%	\$ 28,192
✓	Basic Landscaping			2%	\$ 56,383
	Other:			\$0	\$ -
Allowance Subtotal:					\$ 1,146,155
Paving and Allowance Subtotal:					\$ 3,965,326
Construction Contingency:					15% \$ 594,799
Construction Cost TOTAL:					\$ 4,561,000

Impact Fee Project Cost Summary			
Item Description	Notes:	Allowance	Item Cost
Construction:		-	\$ 4,561,000
Engineering/Survey/Testing:		18%	\$ 820,980
Mobilization		5%	\$ 228,050
Previous City contribution			\$ -
Other			
ROW/Easement Acquisition:	Existing Alignment	10%	\$ 456,100
Impact Fee Project Cost TOTAL:			\$ 6,066,000

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